TOSHIBA

FILE NO. A90-9923

SERVICE MANUAL

AIR-CONDITIONER

SPLIT TYPE, HEAT PUMP

BUILT-IN DUCT TYPE
RAV-164BH-PE/164AH-PE
RAV-264BH-PE/264AH-PE
RAV-264BH-PE/264AH8-PE
RAV-364BH-PE/364AH8-PE
RAV-464BH-PE/464AH8-PE

CEILING TYPE
RAV-134CH/CHR-PE/134AH-PE
RAV-164CH/CHR-PE/164AH-PE
RAV-264CH/CHR-PE/264AH-PE
RAV-264CH/CHR-PE/264AH8-PE
RAV-364CH/CHR-PE/364AH8-PE
RAV-464CH/CHR-PE/464AH8-PE

WALL TYPE
RAV-134KH/KHR-PE/134AH-PE
RAV-164KH/KHR-PE/164AH-PE
RAV-264KH/KHR-PE/264AH-PE
RAV-264KH/KHR-PE/264AH8-PE

CARCASE TYPE
RAV-104NH-PE
RAV-134NH-PE/134AH-PE
RAV-164NH-PE/164AH-PE
RAV-264NH-PE/264AH-PE
RAV-264NH-PE/264AH8-PE

LOW WALL/PAINTED FLOOR TYPE
RAV-164SH/SHR-PE/164AH-PE
RAV-264SH/SHR-PE/264AH-PE
RAV-264SH/SHR-PE/264AH8-PE

2 WAY CASSETTE TYPE
RAV-104TUH-PE
RAV-134TUH-PE/134AH-PE
RAV-164TUH-PE/164AH-PE

4 WAY CASSETTE TYPE
RAV-164UH-PE/164AH-PE
RAV-264UH-PE/264AH-PE
RAV-264UH-PE/264AH8-PE
RAV-364UH-PE/364AH8-PE
RAV-464UH-PE/464AH8-PE

HFC
R407C

Printed in UK DECEMBER 1999

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SUMMARY

The units referred to within this Manual conform with the protection requirements of Directives 89/336/EEC Electromagnetic Compatibility and 73/23/EEC Low Voltage.

Operating conditions of units are as follows:

OUTDOOR TEMPERATURE	-2 to 43˚C (COOL) -10 to 21˚C (HEAT)
ROOM TEMPERATURE	18 to 32˚C (COOL) 15 to 29˚C (HEAT)
ROOM HUMIDITY	LESS THAN 80% (COOL)

Note 1: Cooling Capacity is based on the following temperature conditions:
Indoor air inlet temperature 27˚C DB, 19˚C WB.
Outdoor air inlet temperature 35˚C DB.

Note 2: Heating Capacity is based on the following temperature conditions:
Indoor air inlet temperature 20˚C DB.
Outdoor air inlet temperature 7˚C DB, 6˚C WB.

Note 3: For details on Control Circuits, refer to Service Manual A90-9925.

Note 4: Metric/Imperial pipe conversion:

Diameter (mm)	6.4	9.5	12.7	15.9	19	22
Nominal Diameter (inch)	1/4	3/8	1/2	5/8	3/4	7/8

1. SPECIFICATIONS

Item		Model	RAV-164BH-PE	
Cooling capacity		kW	4.5	
Heating capacity		kW	5.0	
Power source		Phase	1	
		V	220-240	
		Hz	50	
			COOLING	HEATING
Power consumption		kW	2.2	2.2
Power factor		%	90	89
Running current		A	10.6	10.7
Starting current		A	60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	42/39/36	
	Outdoor Unit	dB(A)	50	
Refrigerant	Name of Refrigerant		R407C	
	Charge Volume	kg	1.2	
	Add. Volume (20-30m)	g/m	35	
Refrigerant control			Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7	
	Coupler style		Flare	
	Smaller side size	mm	ø6.4	
	Coupler style		Flare	
	Standard length	m	7.5	
	Maximum actual pipe length (of one way)	m	30	
	Maximum height difference If Indoor Unit higher	m	15	
	If Outdoor Unit higher	m	30	
Condensate drain pipe diameter		mm	ø32.5 (ID)	
INDOOR UNIT Model			**RAV-164BH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	345	
	Width	mm	770	
	Depth	mm	875	
Net weight		kg	39	
Heat exchanger type			Finned tube	
Indoor fan type			Multi-blade fan	
Air volume		m^3/h	840	
Fan motor output		W	60	
External static pressure	Standard	mmAq	4	
	Max. motor	mmAq	10	
OUTDOOR UNIT Model			**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740	
	Width	mm	880	
	Depth	mm	310	
Net weight		kg	61	
Heat exchanger type			Finned tube	
Outdoor fan type			Propeller fan	
Air flow volume		m^3/h	2,700	
Fan motor output		W	39	
Compressor	Model		PG350X3F-4LS	
	Output	kW	1.5	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat	
Long-life filter kit			**RBC-RK162BE-PE**	
Dimensions	Height	mm	80	
	Width	mm	700	
	Depth	mm	285	
Net weight		kg	8	
Air filter			Washable	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-264BH-PE		RAV-264BH-PE	
Cooling capacity		kW	7.1		7.1	
Heating capacity		kW	7.9		7.9	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	3.1	2.95	2.9	2.95
Power factor		%	90	90	85	85
Running current		A	15.0	14.2	4.9	5.0
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	43/40/37		43/40/37	
	Outdoor Unit	dB(A)	53		53	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø32.5 (ID)		ø32.5 (ID)	
INDOOR UNIT Model			**RAV-264BH-PE**		**RAV-264BH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)		Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	345		345	
	Width	mm	1,070		1,070	
	Depth	mm	875		875	
Net weight		kg	53		53	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	1,140		1,140	
Fan motor output		W	100		100	
External static pressure	Standard	mmAq	4		4	
	Max. motor	mmAq	10		10	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat		High pressure switch, fuse, crankcase heater, over current relay, bi-metal thermostat, reverse phase protector	
Long-life filter kit			**RBC-RK262BE-PE**		**RBC-RK262BE-PE**	
Dimensions	Height	mm	80		80	
	Width	mm	1000		1000	
	Depth	mm	285		285	
Net weight		kg	10		10	
Air filter			Washable		Washable	

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1. SPECIFICATIONS

Item		Model	RAV-364BH-PE		RAV-464BH-PE	
Cooling capacity		kW	10.0		12.5	
Heating capacity		kW	10.8		13.8	
Power source		Phase	3		3	
		V	380-415		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	4.2	3.9	5.15	5.4
Power factor		%	87	85	87	85
Running current		A	7.0	6.6	8.5	9.2
Starting current		A	42		50	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	45/42/39		46/43/40	
	Outdoor Unit	dB(A)	55		55	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	2.7		3.5	
	Add. Volume (20-50m)	g/m	35		50	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size*	mm	ø19 (ø22)		ø19 (ø22)	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	50		50	
	Maximum height difference If Indoor Unit higher	m	20		20	
	If Outdoor Unit higher	m	50		50	
Condensate drain pipe diameter		mm	ø32.5 (ID)		ø32.5 (ID)	
INDOOR UNIT Model			**RAV-364BH-PE**		**RAV-464BH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)		Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	345		345	
	Width	mm	1,420		1,420	
	Depth	mm	875		875	
Net weight		kg	58		62	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	1,820		2,100	
Fan motor output		W	120		140	
External static pressure	Standard	mmAq	4		4	
	Max. motor	mmAq	10		10	
OUTDOOR UNIT Model			**RAV-364AH8-PE**		**RAV-464AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	1,240		1,240	
	Width	mm	930		930	
	Depth	mm	385		385	
Net weight		kg	103		118	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	6,000		6,000	
Fan motor output		W	39 + 63		39 + 63	
Compressor	Model		ZR49KCE-TFD-230		ZR61KCE-TFD-230	
	Output	kW	3.0		3.75	
Protective device			High pressure switch, fuse, reverse phase protector, crankcase heater, inner overload relay, delivery temperature sensor			
Long-life filter kit			**RBC-RK462BE-PE**		**RBC-RK462BE-PE**	
Dimensions	Height	mm	80		80	
	Width	mm	1,350		1,350	
	Depth	mm	285		285	
Net weight		kg	12		12	
Air filter			Washable		Washable	

*(ø22) should be used when length of pipe exceeds 30m
Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-134CH/CHR-PE		RAV-164CH/CHR-PE	
Cooling capacity		kW	3.6		4.5	
Heating capacity		kW	4.2		5.0	
Power source		Phase	1		1	
		V	220-240		220-240	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	2.0	2.15	2.2	2.2
Power factor		%	88	90	90	89
Running current		A	9.9	10.4	10.6	10.7
Starting current		A	60		60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	40/37/33		43/39/36	
	Outdoor Unit	dB(A)	50		50	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.05		1.2	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7		ø12.7	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø6.4		ø6.4	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-134CH/CHR-PE**		**RAV-164CH/CHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	188		188	
	Width	mm	1,030		1,030	
	Depth	mm	640		640	
Net weight		kg	24		24	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	780		850	
Fan motor output		W	34		34	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-134AH-PE**		**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740		740	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	61		61	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	2,700		2,700	
Fan motor output		W	39		39	
Compressor	Model		PG330X3F-4LS		PG350X3F-4LS	
	Output	kW	1.5		1.5	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat			

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1. SPECIFICATIONS

Item		Model	RAV-264CH/CHR-PE		RAV-264CH/CHR-PE	
Cooling capacity		kW	7.1		7.1	
Heating capacity		kW	7.9		7.9	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	3.1	2.95	2.9	2.95
Power factor		%	90	90	85	85
Running current		A	15.0	14.2	4.9	5.0
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	45/41/37		45/41/37	
	Outdoor Unit	dB(A)	53		53	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-264CH/CHR-PE**		**RAV-264CH/CHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	188		188	
	Width	mm	1,230		1,230	
	Depth	mm	640		640	
Net weight		kg	28		28	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m^3/h	1,200		1,200	
Fan motor output		W	34		34	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat		High pressure switch, fuse, crankcase heater, overcurrent relay, thermostat, reverse phase protector	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-364CH/CHR-PE		RAV-464CH/CHR-PE	
Cooling capacity		kW	10.0		12.5	
Heating capacity		kW	10.8		13.8	
Power source		Phase	3		3	
		V	380-415		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	4.2	3.9	5.15	5.4
Power factor		%	87	85	87	85
Running current		A	7.0	6.6	8.5	9.2
Starting current		A	42		50	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	47/43/40		49/45/41	
	Outdoor Unit	dB(A)	55		55	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	2.7		3.5	
	Add. Volume (20-50m)	g/m	35		50	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size*	mm	ø19 (ø22)		ø19 (ø22)	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	50		50	
	Maximum height difference If Indoor Unit higher	m	20		20	
	If Outdoor Unit higher	m	50		50	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-364CH/CHR-PE**		**RAV-464CH/CHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	240		240	
	Width	mm	1,430		1,630	
	Depth	mm	640		640	
Net weight		kg	39		44	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	1,680		2,100	
Fan motor output		W	75		75	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-364AH8-PE**		**RAV-464AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	1,240		1,240	
	Width	mm	930		930	
	Depth	mm	385		385	
Net weight		kg	103		118	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	6,000		6,000	
Fan motor output		W	39 + 63		39 + 63	
Compressor	Model		ZR49KCE-TFD-230		ZR61KCE-TFD-230	
	Output	kW	3.0		3.75	
Protective device			High pressure switch, fuse, reverse phase protector, crankcase heater, inner overload relay, delivery temperature sensor			

*(ø22) should be used when length of pipe exceeds 30m
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1. SPECIFICATIONS

Item		Model	RAV-134KH/KHR-PE		RAV-164KH/KHR-PE	
Cooling capacity		kW	3.6		4.5	
Heating capacity		kW	4.2		5.0	
Power source		Phase	1		1	
		V	220-240		220-240	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	2.0	2.15	2.2	2.2
Power factor		%	88	90	90	89
Running current		A	9.9	10.4	10.6	10.7
Starting current		A	60		60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	42/38/35		43/39/36	
	Outdoor Unit	dB(A)	50		50	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.05		1.2	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7		ø12.7	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø6.4		ø6.4	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-134KH/KHR-PE**		**RAV-164KH/KHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	372		372	
	Width	mm	1,150		1,150	
	Depth	mm	226		226	
Net weight		kg	20		20	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Transverse flow fan		Transverse flow fan	
Air volume		m^3/h	700		770	
Fan motor output		W	27		27	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-134AH-PE**		**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740		740	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	61		61	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	2,700		2,700	
Fan motor output		W	39		39	
Compressor	Model		PG330X3F-4LS		PG350X3F-4LS	
	Output	kW	1.5		1.5	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat			

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-264KH/KHR-PE		RAV-264KH/KHR-PE	
Cooling capacity		kW	7.1		7.1	
Heating capacity		kW	7.9		7.9	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	3.1	2.95	2.9	2.95
Power factor		%	90	90	85	85
Running current		A	15.0	14.2	4.9	5.0
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	44/40/37		44/40/37	
	Outdoor Unit	dB(A)	53		53	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-264KH/KHR-PE**		**RAV-264KH/KHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	372		372	
	Width	mm	1,478		1,478	
	Depth	mm	226		226	
Net weight		kg	26		26	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Transverse flow fan		Transverse flow fan	
Air volume		m^3/h	1,200		1,200	
Fan motor output		W	27		27	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure switch, fuse, bi-metal thermostat, crankcase heater, inner overload relay		High pressure switch, fuse, overcurrent relay, crankcase heater, thermostat, reverse phase protector	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-104NH-PE
Power source		Phase	1
		V	220-240
		Hz	50
Power consumption		kW	0.07
Power factor		%	93
Running current		A	0.33
Starting current		A	0.6
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	40/37/34
Refrigerant	Name of Refrigerant		R407C
Interconnection pipe	Larger side size	mm	ø12.7
	Coupler style		Flare
	Smaller side size	mm	ø6.4
	Coupler style		Flare
Condensate drain pipe diameter		mm	ø20 (OD)
Appearance colour			Zinc, galvanized steel
Dimensions	Height	mm	600 (if top air outlet) 580 (if front outlet)
	Width	mm	745 (including drain catch)
	Depth	mm	230 (if top air outlet) 250 (if front air outlet)
Net weight		kg	21
Heat exchanger type			Finned tube
Indoor fan type			Multi-blade fan
Air volume		m^3/h	550
Fan motor output		W	34
Air filter			Washable

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-134NH-PE		RAV-164NH-PE	
Cooling capacity		kW	3.6		4.5	
Heating capacity		kW	4.2		5.0	
Power source		Phase	1		1	
		V	220-240		220-240	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	2.0	2.15	2.2	2.2
Power factor		%	88	90	90	89
Running current		A	9.9	10.4	10.6	10.7
Starting current		A	60		60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	41/38/35		42/39/36	
	Outdoor Unit	dB(A)	50		50	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.05		1.2	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7		ø12.7	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø6.4		ø6.4	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-134NH-PE**		**RAV-164NH-PE**	
Appearance colour			Zinc (galvanized steel)		Zinc (galvanized steel)	
Dimensions	Height	mm	600 (if top air outlet) 580 (if front air outlet)		600 (if top air outlet) 580 (if front air outlet)	
	Width	mm	1,045 (including drain catch)		1,045 (including drain catch)	
	Depth	mm	230 (if top air outlet) 250 (if front air outlet)		230 (if top air outlet) 250 (if front air outlet)	
Net weight		kg	25		29	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m^3/h	625		740	
Fan motor output		W	34		34	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-134AH-PE**		**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740		740	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	61		61	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	2,700		2,700	
Fan motor output		W	39		39	
Compressor	Model		PG330X3F-4LS		PG350X3F-4LS	
	Output	kW	1.5		1.5	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat			

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-264NH-PE		RAV-264NH-PE	
Cooling capacity		kW	5.7		5.7	
Heating capacity		kW	6.7		6.7	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	2.8	2.8	2.8	2.8
Power factor		%	90	90	80	82
Running current		A	13.7	13.5	5.1	4.9
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	42/39/36		42/39/36	
	Outdoor Unit	dB(A)	53		53	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-264NH-PE**		**RAV-264NH-PE**	
Appearance colour			Zinc (galvanized steel)		Zinc (galvanized steel)	
Dimensions	Height	mm	600 (if top air outlet) 580 (if front air outlet)		600 (if top air outlet) 580 (if front air outlet)	
	Width	mm	1,045 (including drain catch)		1,045 (including drain catch)	
	Depth	mm	230 (if top air outlet) 250 (if front air outlet)		230 (if top air outlet) 250 (if front air outlet)	
Net weight		kg	29		29	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	900		900	
Fan motor output		W	34		34	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure swich, fuse, crankcase heater, inner overload relay, bi-metal thermostat		High pressure switch, fuse, crankcase heater, overcurrent relay, thermostat, reverse phase protector	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-164SH/SHR-PE	
Cooling capacity		kW	4.5	
Heating capacity		kW	5.0	
Power source		Phase	1	
		V	220-240	
		Hz	50	
			COOLING	HEATING
Power consumption		kW	2.2	2.2
Power factor		%	90	89
Running current		A	10.6	10.7
Starting current		A	60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	42/39/36	
	Outdoor Unit	dB(A)	50	
Refrigerant	Name of Refrigerant		R407C	
	Charge Volume	kg	1.2	
	Add. Volume (20-30m)	g/m	35	
Refrigerant control			Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7	
	Coupler style		Flare	
	Smaller side size	mm	ø6.4	
	Coupler style		Flare	
	Standard length	m	7.5	
	Maximum actual pipe length (of one way)	m	30	
	Maximum height difference If Indoor Unit higher	m	15	
	If Outdoor Unit higher	m	30	
Condensate drain pipe diameter		mm	ø20 (OD)	
INDOOR UNIT Model			**RAV-164SH/SHR-PE**	
Appearance colour			Silky Mist	
Dimensions	Height	mm	640	
	Width	mm	1,030	
	Depth	mm	188	
Net weight		kg	24	
Heat exchanger type			Finned tube	
Indoor fan type			Multi-blade fan	
Air volume		m^3/h	850	
Fan motor output		W	34	
Air filter			Washable	
OUTDOOR UNIT Model			**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740	
	Width	mm	880	
	Depth	mm	310	
Net weight		kg	61	
Heat exchanger type			Finned tube	
Outdoor fan type			Propeller fan	
Air flow volume		m^3/h	2,700	
Fan motor output		W	39	
Compressor	Model		PG350X3F-4LS	
	Output	kW	1.5	
Protective device			High pressure switch, fuse, bi-metal thermostat, crankcase heater, inner overload relay	

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1. SPECIFICATIONS

Item		Model	RAV-264SH/SHR-PE		RAV-264SH/SHR-PE	
Cooling capacity		kW	7.1		7.1	
Heating capacity		kW	7.9		7.9	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	3.1	2.95	2.9	2.95
Power factor		%	90	90	85	85
Running current		A	15.0	14.2	4.9	5.0
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	44/39/36		44/39/36	
	Outdoor Unit	dB(A)	53		53	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø20 (OD)		ø20 (OD)	
INDOOR UNIT Model			**RAV-264SH/SHR-PE**		**RAV-264SH/SHR-PE**	
Appearance colour			Silky Mist		Silky Mist	
Dimensions	Height	mm	640		640	
	Width	mm	1,230		1,230	
	Depth	mm	188		188	
Net weight		kg	28		28	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Multi-blade fan		Multi-blade fan	
Air volume		m³/h	1,200		1,200	
Fan motor output		W	34		34	
Air filter			Washable		Washable	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat		High pressure switch, fuse, crankcase heater, overcurrent relay, thermostat, reverse phase protector	

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1. SPECIFICATIONS

Item		Model	RAV-104TUH-PE
Power source		Phase	1
		V	220-240
		Hz	50
Power consumption		kW	0.07
Power factor		%	93
Running current		A	0.33
Starting current		A	0.6
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	40/36/34
Refrigerant	Name of Refrigerant		R407C
Interconnection pipe	Larger side size	mm	ø12.7
	Coupler style		Flare
	Smaller side size	mm	ø6.4
	Coupler style		Flare
Condensate drain pipe diameter		mm	ø25.5 (OD)
Appearance colour			Grey (galvanized steel& thermal insulation)
Dimensions	Height	mm	190
	Width	mm	910
	Depth	mm	480
Net weight		kg	23
Heat exchanger type			Finned tube
Indoor fan type			Transverse flow fan
Air volume		m^3/h	550
Fan motor output		W	7 x 2
CEILING PANEL model			**RBC-U133PG(W)-PE**
Appearance colour			Silky white (Munsell 2.9Y8.9/0.8)
Dimensions	Height	mm	25
	Width	mm	1,050
	Depth	mm	550
Net weight		kg	4.5
Air filter			Washable

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-134TUH-PE		RAV-164TUH-PE	
Cooling capacity		kW	3.6		4.5	
Heating capacity		kW	4.2		5.0	
Power source		Phase	1		1	
		V	220-240		220-240	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	2.0	2.15	2.2	2.2
Power factor		%	88	90	90	89
Running current		A	9.9	10.4	10.6	10.7
Starting current		A	60		60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	40/36/34		41/37/35	
	Outdoor Unit	dB(A)	50		50	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.05		1.2	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7		ø12.7	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø6.4		ø6.4	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	ø25.5 (OD)		ø25.5 (OD)	
INDOOR UNIT Model			**RAV-134TUH-PE**		**RAV-164TUH-PE**	
Appearance colour			Grey (galvanized steel & thermal insulator)		Grey (galvanized steel & thermal insulator)	
Dimensions	Height	mm	190		190	
	Width	mm	910		910	
	Depth	mm	480		480	
Net weight		kg	23		23	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Transverse flow fan		Transverse flow fan	
Air volume		m^3/h	700		750	
Fan motor output		W	7 x 2		7 x 2	
OUTDOOR UNIT Model			**RAV-134AH-PE**		**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740		740	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	61		61	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	2,700		2,700	
Fan motor output		W	39		39	
Compressor	Model		PG330X3F-4LS		PG350X3F-4LS	
	Output	kW	1.5		1.5	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat			
CEILING PANEL model			**RBC-U133PG(W)-PE**		**RBC-U133PG(W)-PE**	
Appearance colour			Silky white (Munsell 2.9Y8.9/0.8)		Silky white (Munsell 2.9Y8.9/0.8)	
Dimensions	Height	mm	25		25	
	Width	mm	1,050		1,050	
	Depth	mm	550		550	
Net weight		kg	4.5		4.5	
Air filter			Washable		Washable	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-164UH-PE	
Cooling capacity		kW	4.5	
Heating capacity		kW	5.0	
Power source		Phase	1	
		V	220-240	
		Hz	50	
			COOLING	HEATING
Power consumption		kW	2.2	2.2
Power factor		%	90	89
Running current		A	10.6	10.7
Starting current		A	60	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	38/35/32	
	Outdoor Unit	dB(A)	50	
Refrigerant	Name of Refrigerant		R407C	
	Charge Volume	kg	1.2	
	Add. Volume (20-30m)	g/m	35	
Refrigerant control			Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø12.7	
	Coupler style		Flare	
	Smaller side size	mm	ø6.4	
	Coupler style		Flare	
	Standard length	m	7.5	
	Maximum actual pipe length (of one way)	m	30	
	Maximum height difference If Indoor Unit higher	m	15	
	If Outdoor Unit higher	m	30	
Condensate drain pipe diameter		mm	1" BSP (male threaded connection)	
INDOOR UNIT Model			**RAV-164UH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	259	
	Width	mm	820	
	Depth	mm	820	
Net weight		kg	25	
Heat exchanger type			Finned tube	
Indoor fan type			Centrifugal fan	
Air volume		m^3/h	1,020	
Fan motor output		W	28	
OUTDOOR UNIT Model			**RAV-164AH-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	740	
	Width	mm	880	
	Depth	mm	310	
Net weight		kg	61	
Heat exchanger type			Finned tube	
Outdoor fan type			Propeller fan	
Air flow volume		m^3/h	2,700	
Fan motor output		W	39	
Compressor	Model		PG350X3F-4LS	
	Output	kW	1.5	
Protective device			High pressure switch, fuse, bi-metal thermostat, crankcase heater, inner overload relay	
CEILING PANEL model			**RBC-U264PG(W)-E** **RBC-U264PGR(W)-E**	
Appearance colour			White	
Dimensions	Height	mm	20	
	Width	mm	940	
	Depth	mm	940	
Net weight		kg	6	
Air filter			Washable	

Specifications are subject to change without notice

1. SPECIFICATIONS

Item		Model	RAV-264UH-PE		RAV-264UH-PE	
Cooling capacity		kW	7.1		7.1	
Heating capacity		kW	7.9		7.9	
Power source		Phase	1		3	
		V	220-240		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	3.1	2.95	2.9	2.95
Power factor		%	90	90	85	85
Running current		A	15.0	14.2	4.9	5.0
Starting current		A	80		25	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	43/39/35		43/39/35	
	Outdoor Unit	dB(A)	50		50	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	1.9		1.9	
	Add. Volume (20-30m)	g/m	35		35	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size	mm	ø15.9		ø15.9	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	30		30	
	Maximum height difference If Indoor Unit higher	m	15		15	
	If Outdoor Unit higher	m	30		30	
Condensate drain pipe diameter		mm	1" BSP (male threaded connection)		1" BSP (male threaded connection)	
INDOOR UNIT Model			**RAV-264UH-PE**		**RAV-264UH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)		Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	259		259	
	Width	mm	820		820	
	Depth	mm	820		820	
Net weight		kg	25		25	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Centrifugal fan		Centrifugal fan	
Air volume		m³/h	1,260		1,260	
Fan motor output		W	28		28	
OUTDOOR UNIT Model			**RAV-264AH-PE**		**RAV-264AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	790		790	
	Width	mm	880		880	
	Depth	mm	310		310	
Net weight		kg	80		80	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m³/h	3,000		3,000	
Fan motor output		W	63		63	
Compressor	Model		PG460X3F-4MS		YG460X3F-MS	
	Output	kW	2.2		2.2	
Protective device			High pressure switch, fuse, crankcase heater, inner overload relay, bi-metal thermostat		High pressure switch, fuse, crankcase heater, overcurrent relay, thermostat, reverse phase protector	
CEILING PANEL model			**RBC-U264PG(W)-E RBC-U264PGR(W)-E**		**RBC-U264PG(W)-E RBC-U264PGR(W)-E**	
Appearance colour			White		White	
Dimensions	Height	mm	20		20	
	Width	mm	940		940	
	Depth	mm	940		940	
Net weight		kg	6		6	
Air filter			Washable		Washable	

Specifications are subject to change without notice

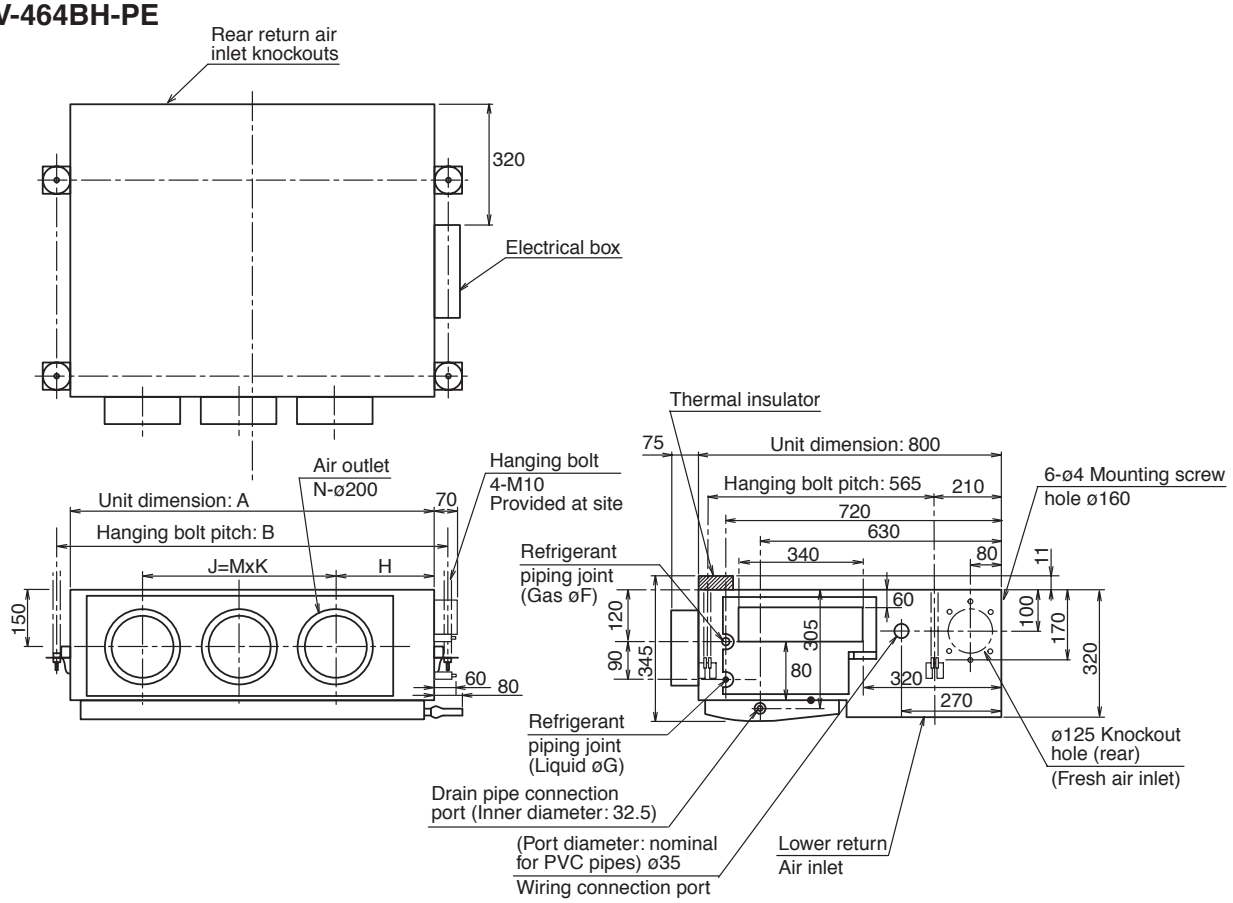
1. SPECIFICATIONS

Item		Model	RAV-364UH-PE		RAV-464UH-PE	
Cooling capacity		kW	10.0		12.5	
Heating capacity		kW	10.8		13.8	
Power source		Phase	3		3	
		V	380-415		380-415	
		Hz	50		50	
			COOLING	HEATING	COOLING	HEATING
Power consumption		kW	4.2	3.9	5.15	5.4
Power factor		%	87	85	87	85
Running current		A	7.0	6.6	8.5	9.2
Starting current		A	42		50	
Operating noise (SPL)	Indoor Unit (High, Med, Low)	dB(A)	42/40/37		45/43/40	
	Outdoor Unit	dB(A)	55		55	
Refrigerant	Name of Refrigerant		R407C		R407C	
	Charge Volume	kg	2.7		3.5	
	Add. Volume (20-50m)	g/m	35		50	
Refrigerant control			Capillary tube & Expansion valve		Capillary tube & Expansion valve	
Interconnection pipe	Larger side size*	mm	ø19 (ø22)		ø19 (ø22)	
	Coupler style		Flare		Flare	
	Smaller side size	mm	ø9.5		ø9.5	
	Coupler style		Flare		Flare	
	Standard length	m	7.5		7.5	
	Maximum actual pipe length (of one way)	m	50		50	
	Maximum height difference If Indoor Unit higher	m	20		20	
	If Outdoor Unit higher	m	50		50	
Condensate drain pipe diameter		mm	1" BSP (male threaded connection)		1" BSP (male threaded connection)	
INDOOR UNIT Model			**RAV-364UH-PE**		**RAV-464UH-PE**	
Appearance colour			Black (zinc galvanized steel & thermal insulator)		Black (zinc galvanized steel & thermal insulator)	
Dimensions	Height	mm	309		309	
	Width	mm	1,230		1,230	
	Depth	mm	820		820	
Net weight		kg	43		43	
Heat exchanger type			Finned tube		Finned tube	
Indoor fan type			Centrifugal fan		Centrifugal fan	
Air volume		m^3/h	1,750		1,820	
Fan motor output		W	36		36	
OUTDOOR UNIT Model			**RAV-364AH8-PE**		**RAV-464AH8-PE**	
Appearance colour			Bronze white (Munsell 6Y7.5/1)		Bronze white (Munsell 6Y7.5/1)	
Dimensions	Height	mm	1,240		1,240	
	Width	mm	930		930	
	Depth	mm	385		385	
Net weight		kg	103		118	
Heat exchanger type			Finned tube		Finned tube	
Outdoor fan type			Propeller fan		Propeller fan	
Air flow volume		m^3/h	6,000		6,000	
Fan motor output		W	39 + 63		39 + 63	
Compressor	Model		ZR49KCE-TFD-230		ZR61KCE-TFD-230	
	Output	kW	3.0		3.75	
Protective device			High pressure switch, fuse, reverse phase protector, crankcase heater, inner overload relay, delivery temperature sensor			
CEILING PANEL model			**RBC-U464PG(W)-E RBC-U464PGR(W)-E**		**RBC-U464PG(W)-E RBC-U464PGR(W)-E**	
Appearance colour			White		White	
Dimensions	Height	mm	20		20	
	Width	mm	1,350		1,350	
	Depth	mm	940		940	
Net weight		kg	8		8	
Air filter			Washable		Washable	

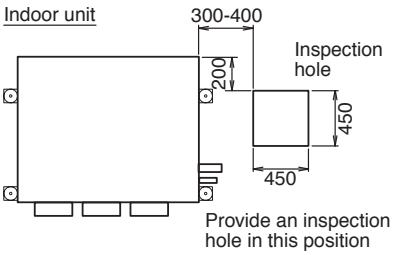
*(ø22) should be used when length of pipe exceeds 30m
Specifications are subject to change without notice

2.1 Indoor Unit

RAV-164BH-PE
RAV-264BH-PE
RAV-364BH-PE
RAV-464BH-PE



Ensure that there is sufficient space around the indoor unit for installation and servicing

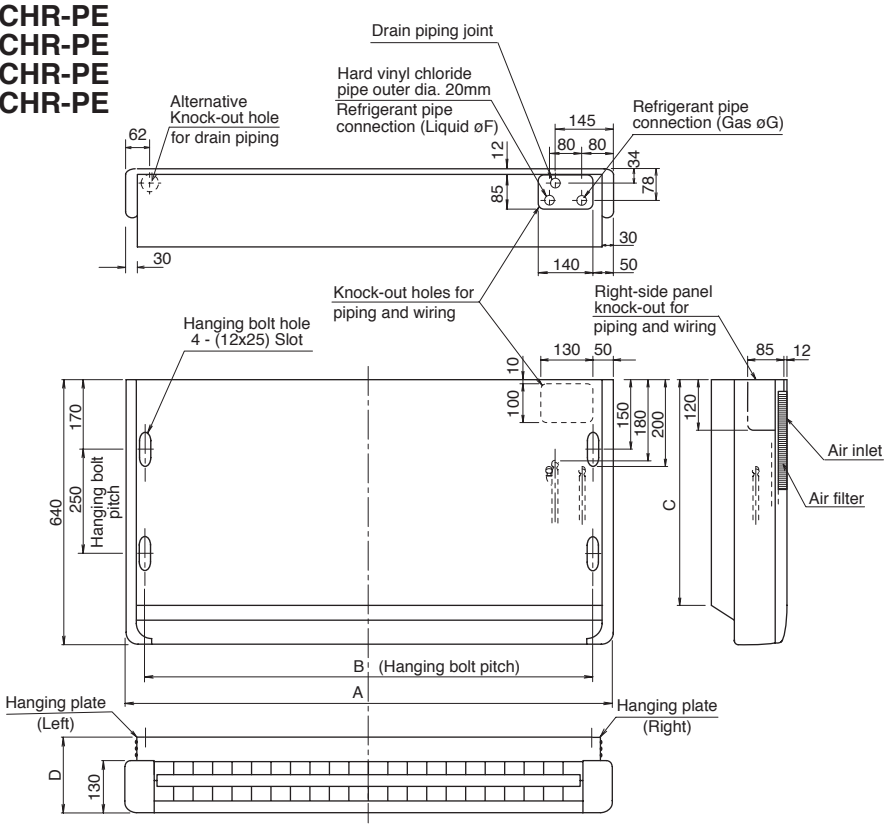


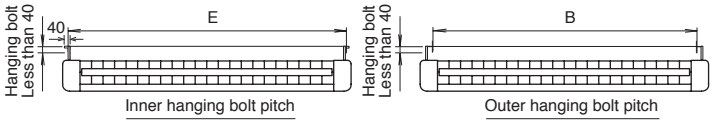
Model	A	B	F	G	H	J	K	M	N
RAV-164BH-PE	700	750	12.7	6.4	252	280	280	1	2
RAV-264BH-PE	1000	1050	15.9	9.5	252	580	290	2	3
RAV-364BH-PE	1350	1400	19.0	9.5	252	930	310	3	4
RAV-464BH-PE	1350	1400	19.0	9.5	252	930	310	3	4

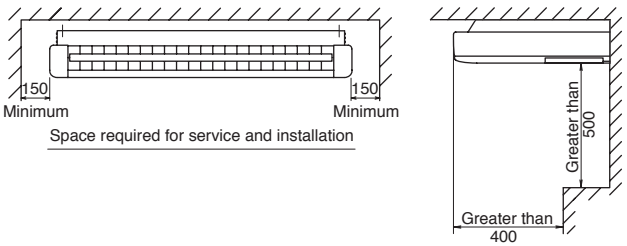
(Unit : mm)

2.2 Indoor Unit

RAV-134CH/CHR-PE
RAV-164CH/CHR-PE
RAV-264CH/CHR-PE
RAV-364CH/CHR-PE
RAV-464CH/CHR-PE





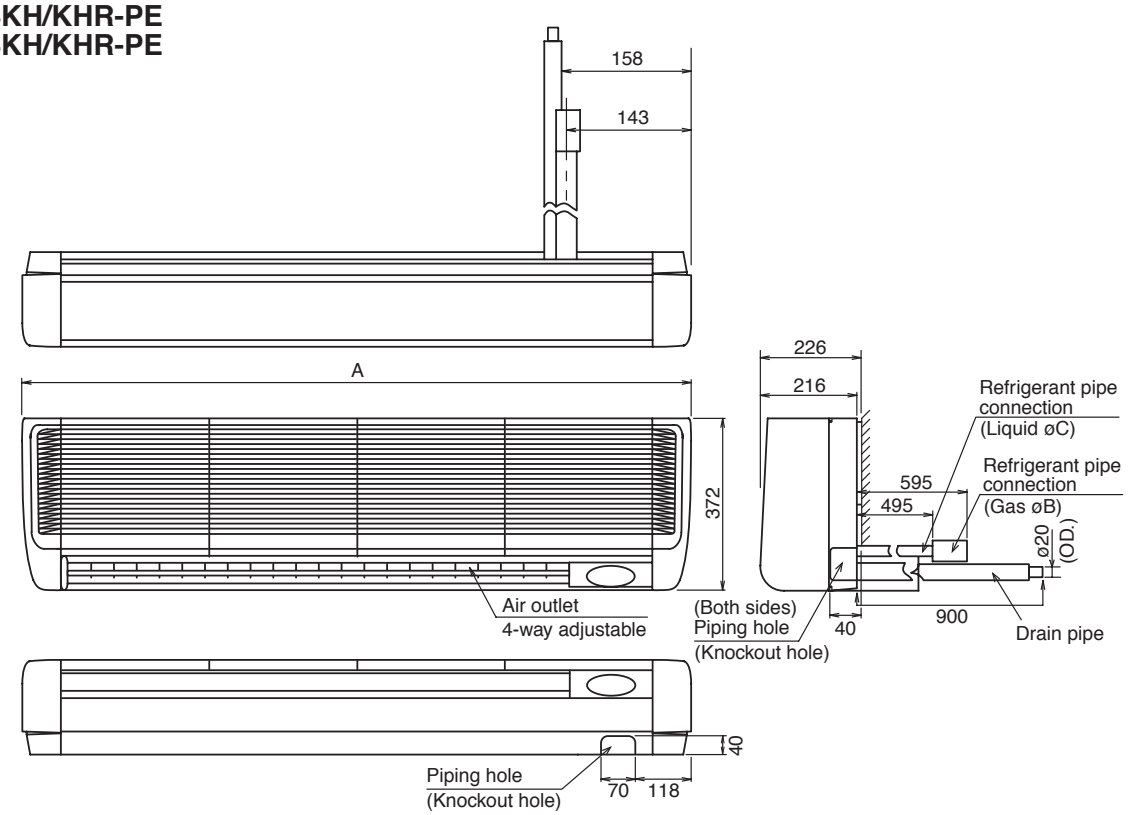


Model	A	B	C	D	E	F	G
RAV-134CH/CHR-PE	1,030	920	540	188	1,020	6.4	12.7
RAV-164CH/CHR-PE	1,030	920	540	188	1,020	6.4	12.7
RAV-264CH/CHR-PE	1,230	1,120	540	188	1,220	9.5	15.9
RAV-364CH/CHR-PE	1,430	1,320	550	240	1,420	9.5	19.0
RAV-464CH/CHR-PE	1,630	1,520	550	240	1,620	9.5	19.0

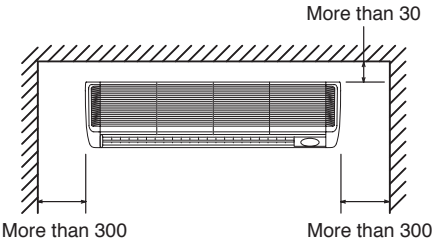
(unit : mm)

2.3 Indoor Unit

RAV-134KH/KHR-PE
RAV-164KH/KHR-PE
RAV-264KH/KHR-PE

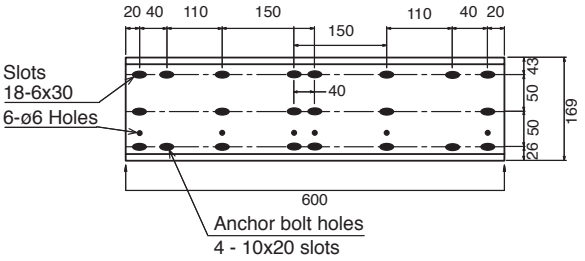


MODEL	A	B	C
RAV-134KH/KHR-PE	1150	12.7	6.4
RAV-164KH/KHR-PE	1150	12.7	6.4
RAV-264KH/KHR-PE	1478	15.9	9.5



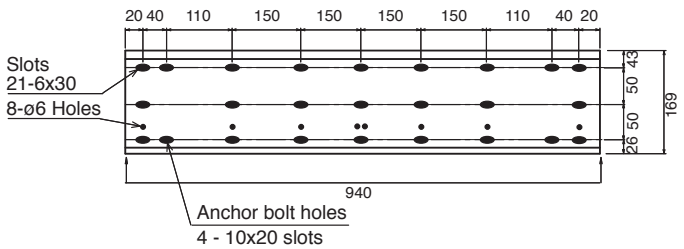
Space required for service

RAV-134KH/KHR-PE
RAV-164KH/KHR-PE



(unit : mm)

RAV-264KH/KHR-PE

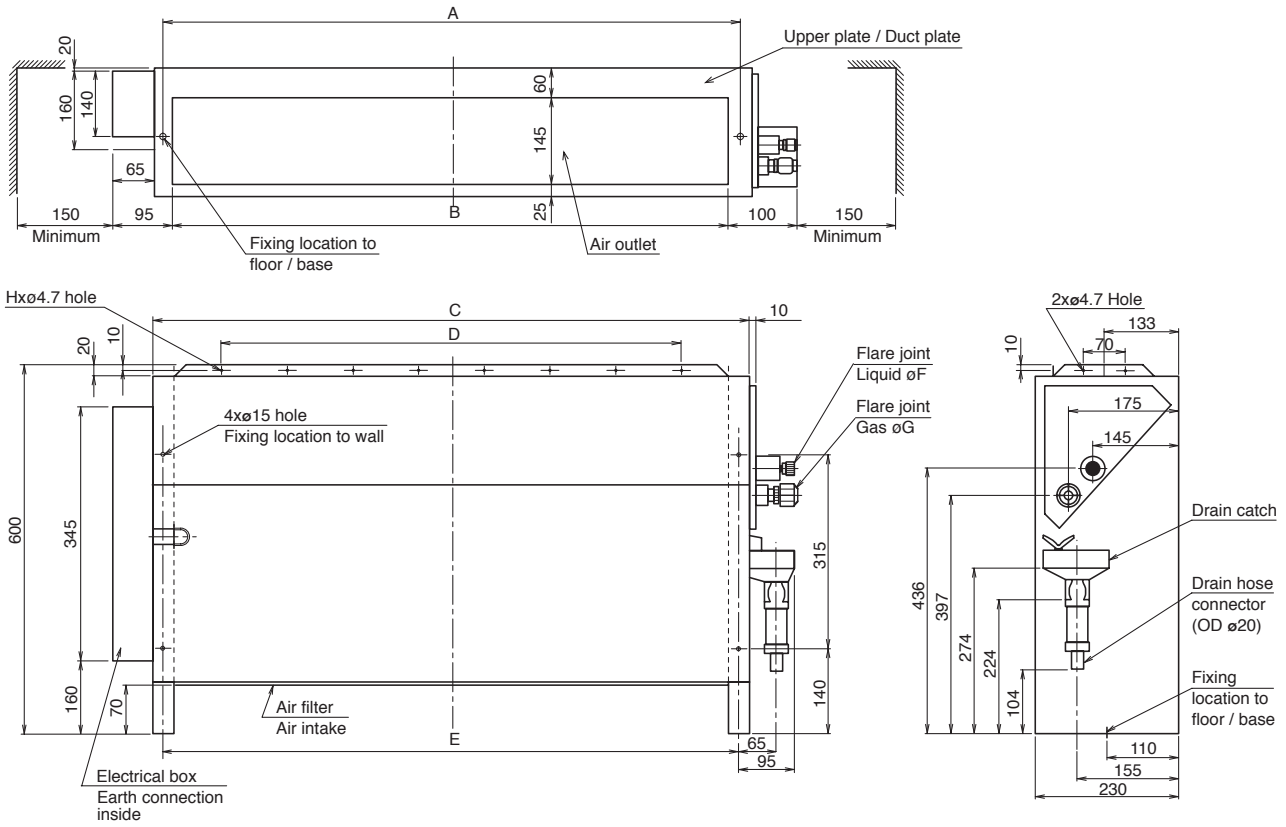


Installation board mounting bolt hole location

2.4 Indoor Unit

RAV-104NH-PE
RAV-134NH-PE
RAV-164NH-PE
RAV-264NH-PE

Space required for service and installation

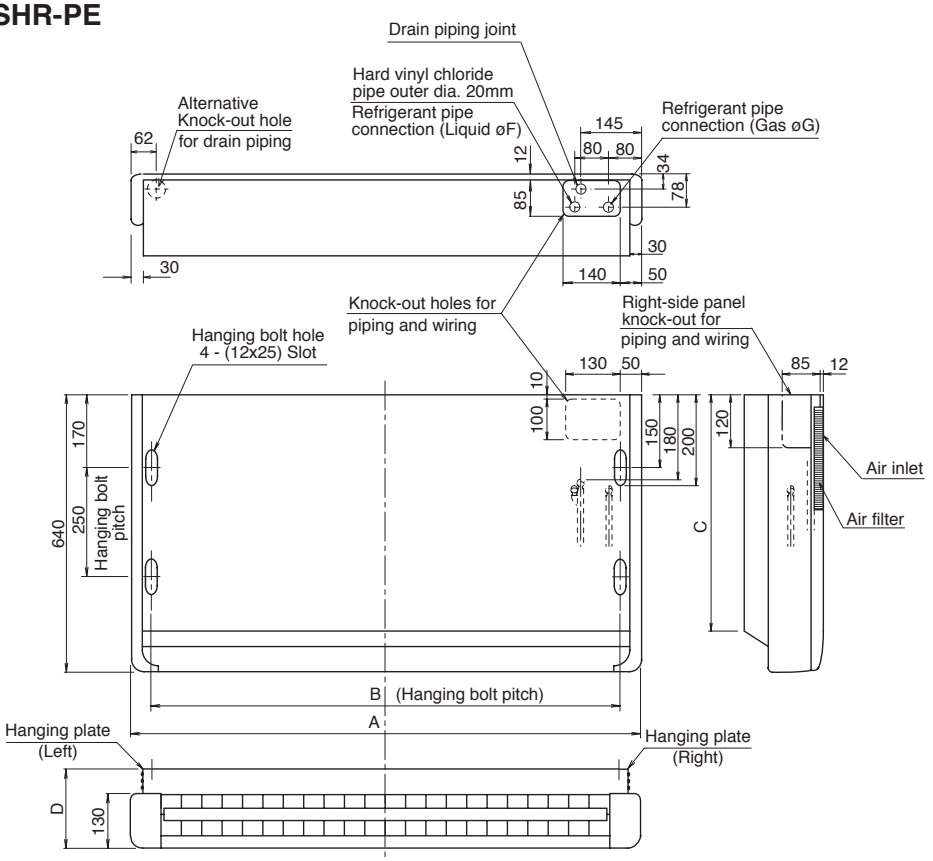


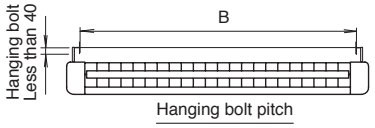
Model	A	B	C	D	E	øF	øG	H
RAV-104NH-PE	580	550	610	4x100	580	6.4	12.7	5
RAV-134NH-PE RAV-164NH-PE RAV-264NH-PE	880	850	910	7x100	880	6.4 9.5	12.7 15.9	8

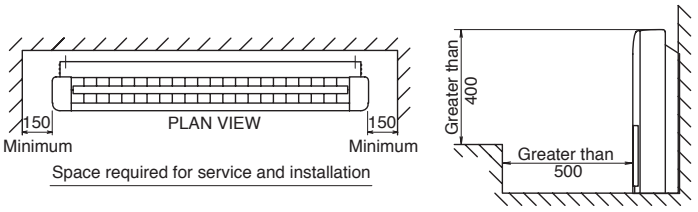
(Units : mm)

2.5 Indoor Unit

RAV-164SH/SHR-PE
RAV-264SH/SHR-PE



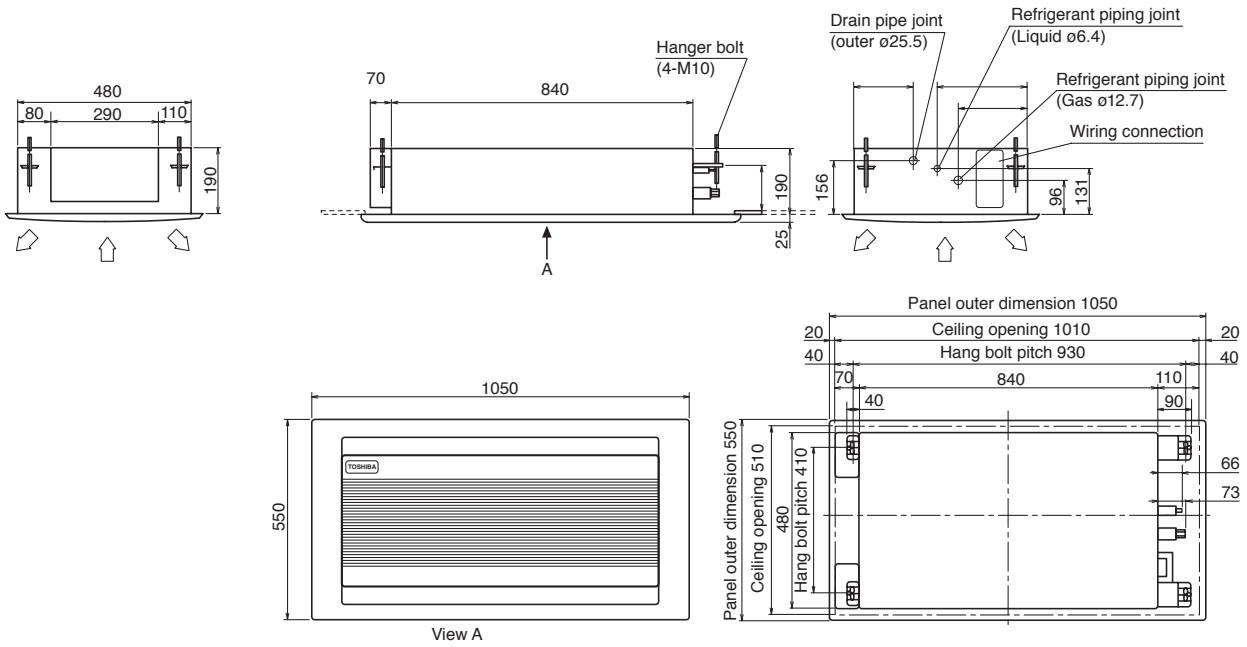


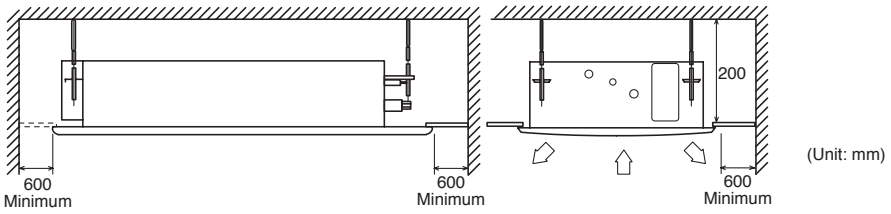


Model	A	B	C	D	F	G
RAV-164SH-PE RAV-164SHR-PE	1,030	920	540	188	6.4	12.7
RAV-264SH-PE RAV-264SHR-PE	1,230	1120	540	188	9.5	15.9

(unit : mm)

2.6 Indoor Unit
RAV-104TUH-PE
RAV-134TUH-PE
RAV-164TUH-PE

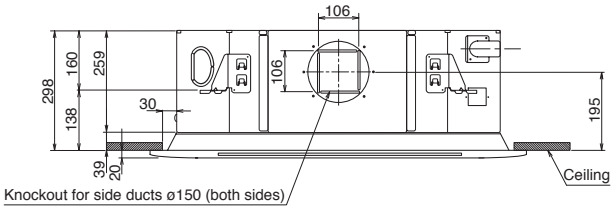


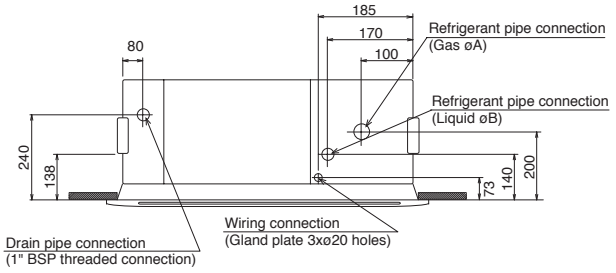


(Unit: mm)

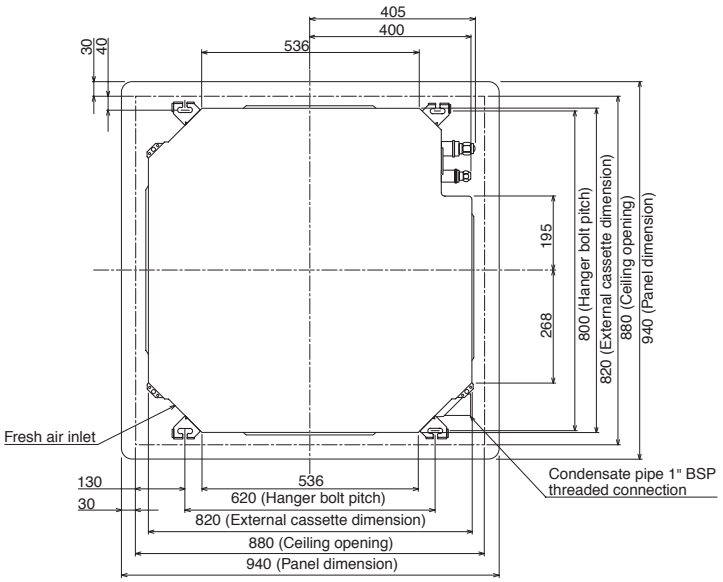
Space required for service and installation

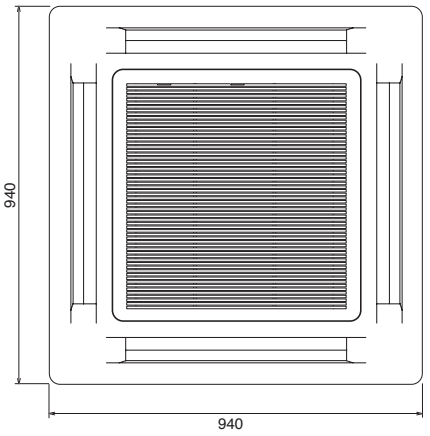
2.7 Indoor Unit
RAV-164UH-PE
RAV-264UH-PE

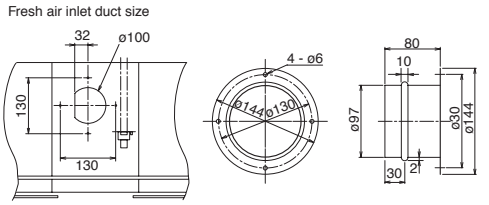


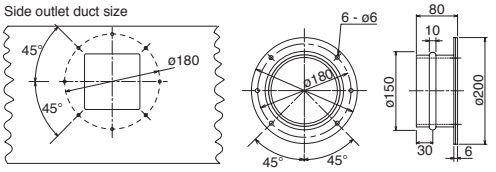


Model (RAV-)	164UH	264UH
øA	12.7	15.9
øB	6.4	9.5

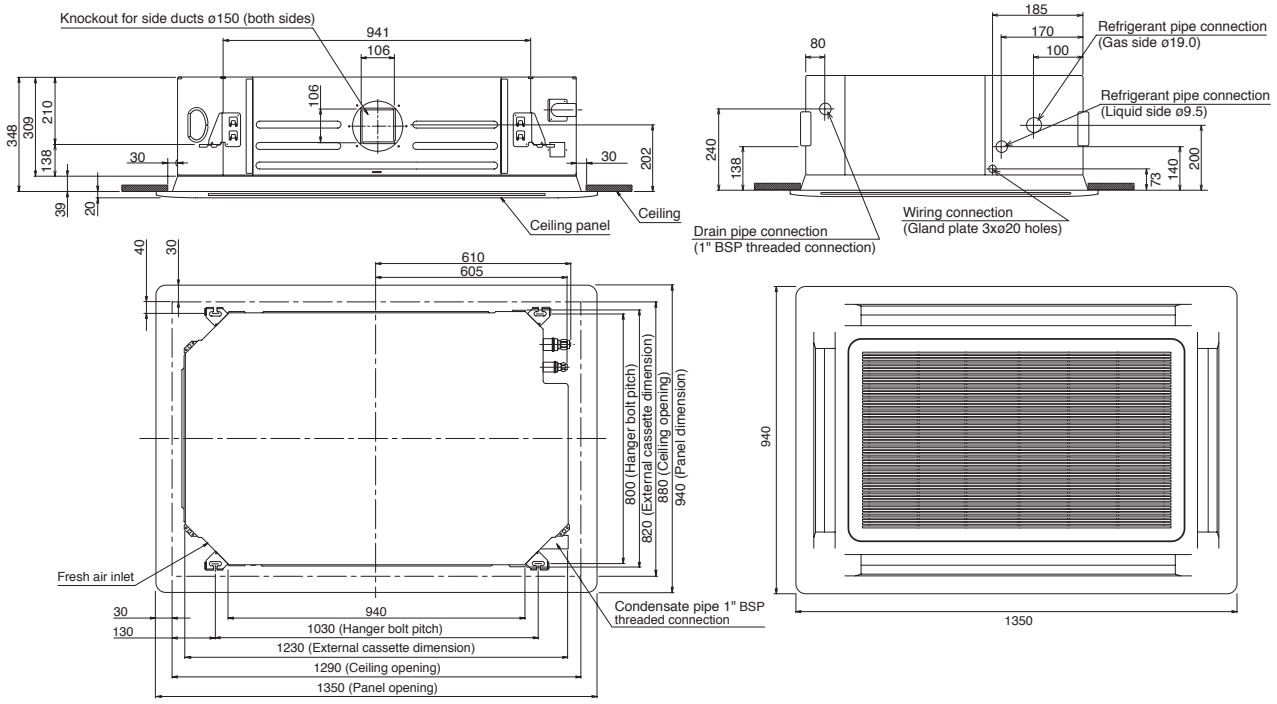


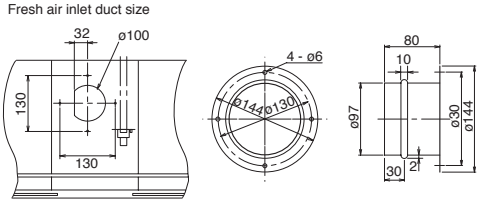


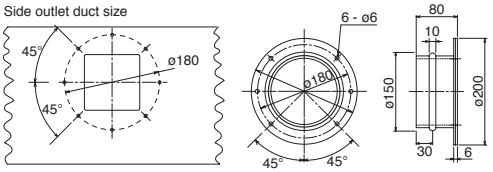




2.8 Indoor Unit
RAV-364UH-PE
RAV-464UH-PE

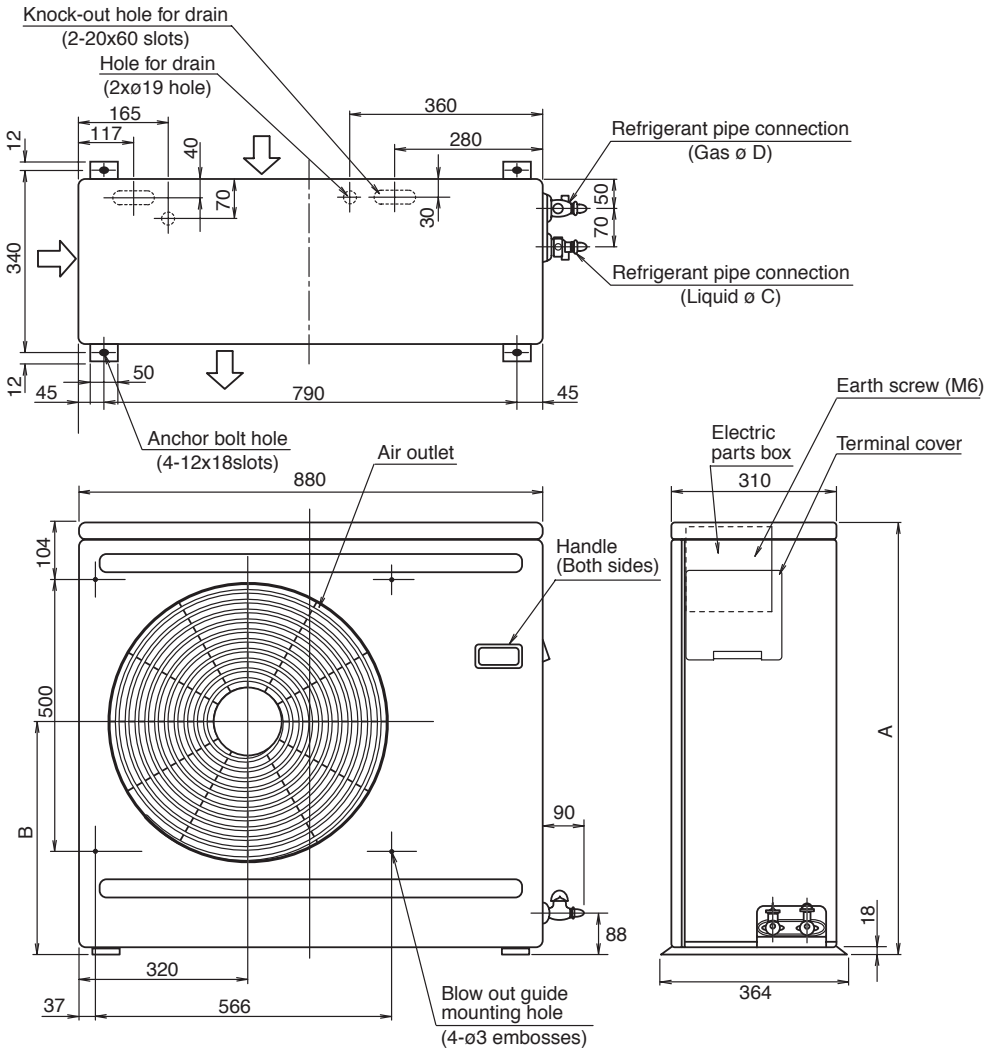




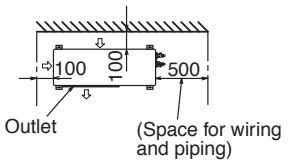


2.9 Outdoor Unit

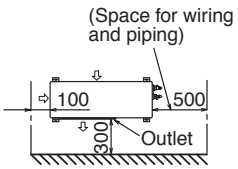
RAV-134AH-PE
RAV-164AH-PE
RAV-264AH-PE
RAV-264AH8-PE



Space required for service



When installed with the inlet facing the wall

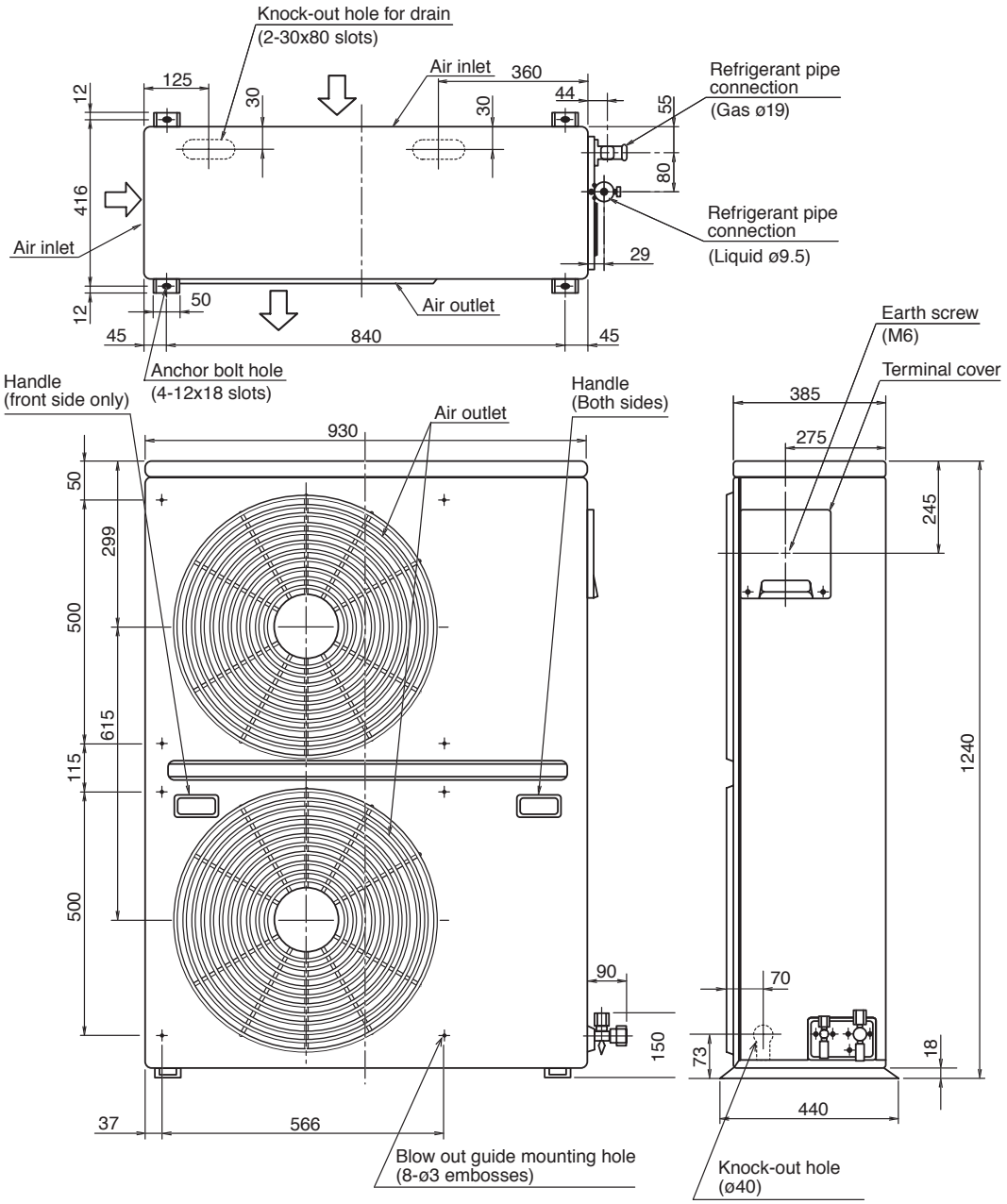


When installed with the outlet facing the wall

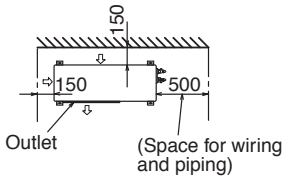
Model	A	B	øC	øD
RAV-134AH-PE RAV-164AH-PE	740	380	6.4	12.7
RAV-264AH-PE RAV-264AH8-PE	790	430	9.5	15.9

(unit : mm)

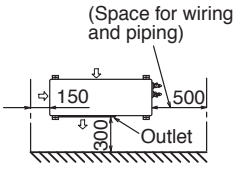
2.10 Outdoor Unit
RAV-364AH8-PE
RAV-464AH8-PE



Space required for service



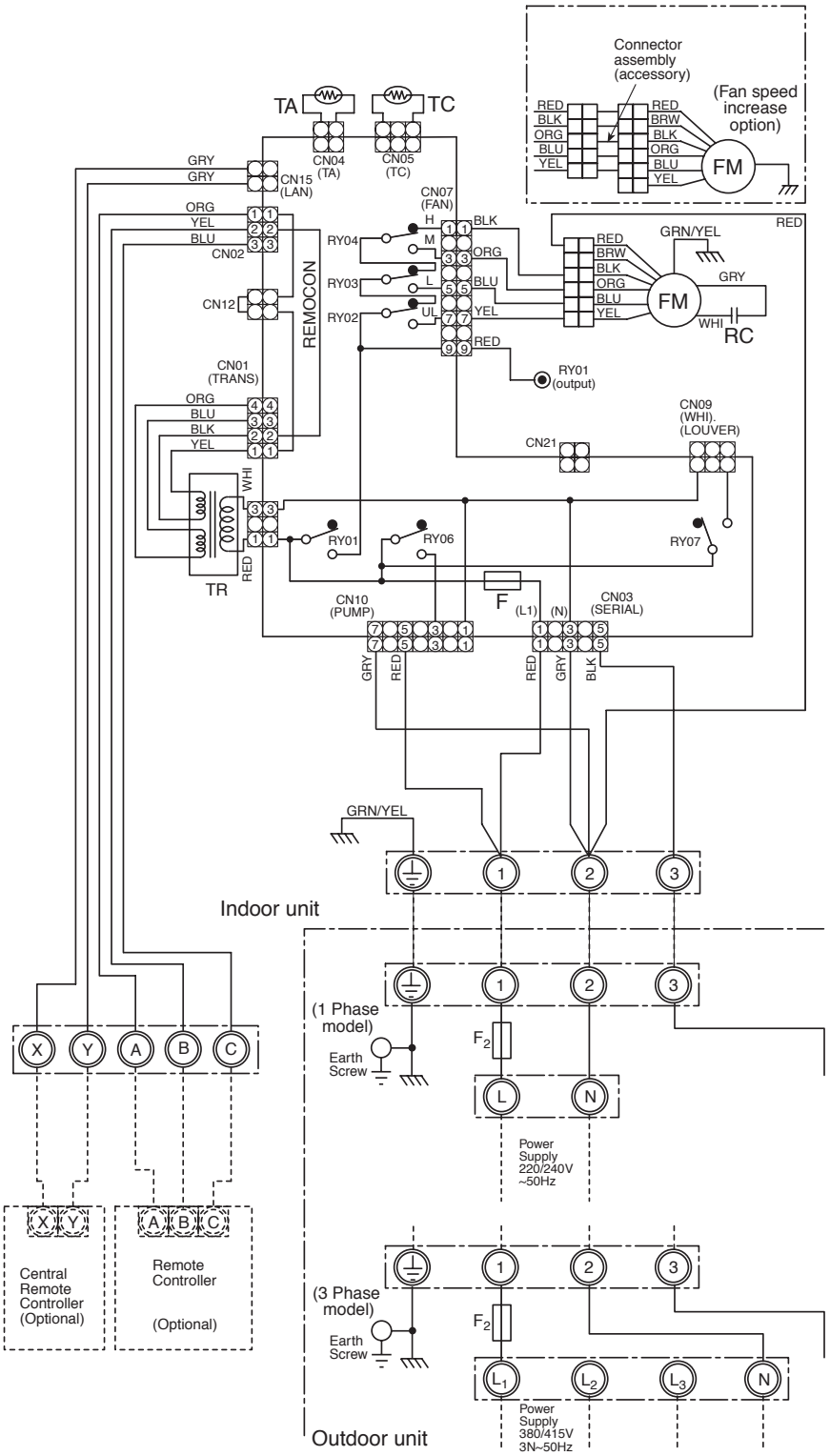
When installed with the inlet facing the wall



When installed with the outlet facing the wall

(unit : mm)

3.1 RAV-164BH-PE
RAV-264BH-PE
RAV-364BH-PE
RAV-464BH-PE

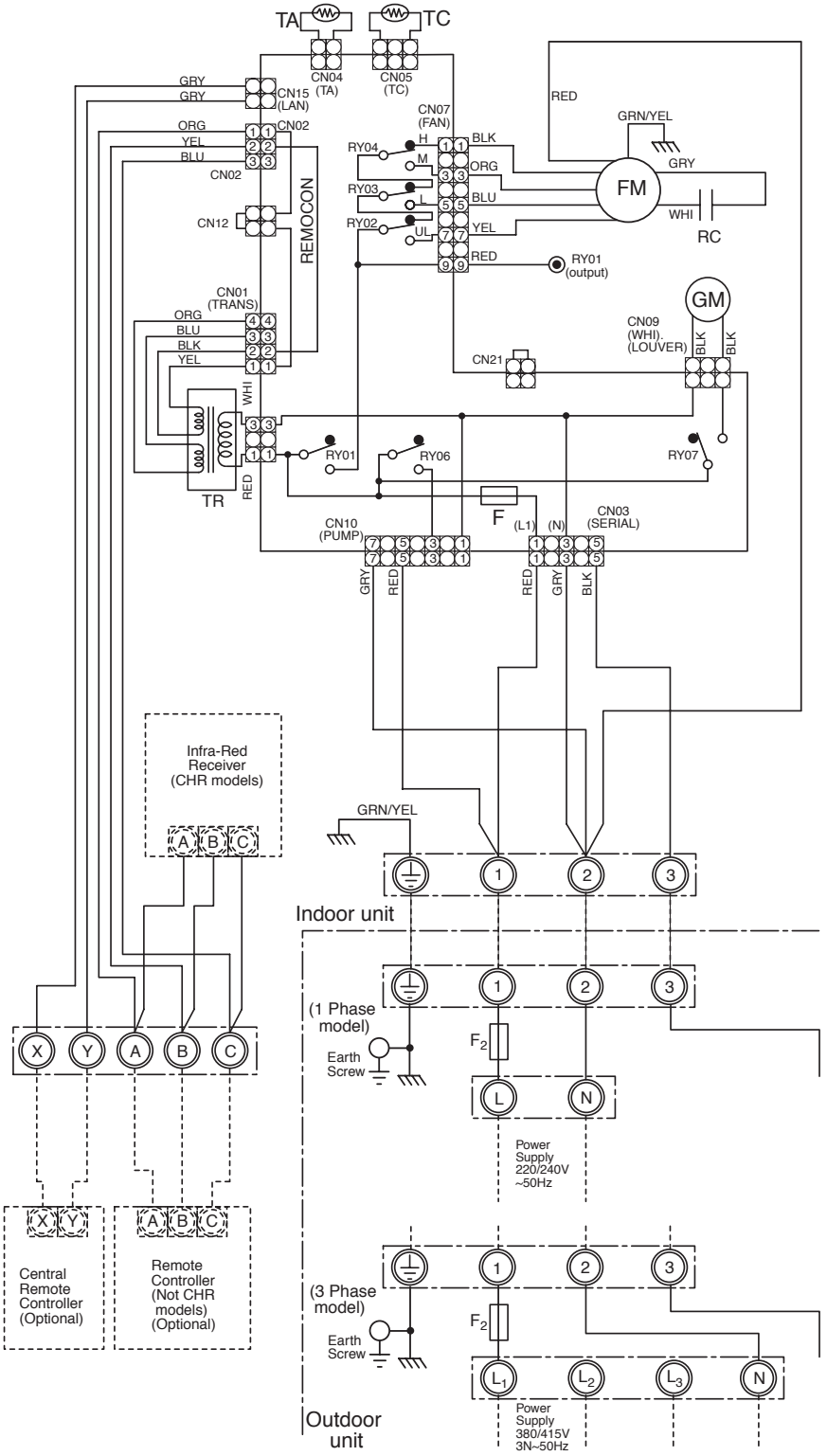


◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
TR	Transformer	RY01~RY07	Relay
F	Fuse (PCB)		

3.2 RAV-134CH/CHR-PE
RAV-164CH/CHR-PE
RAV-264CH/CHR-PE
RAV-364CH/CHR-PE
RAV-464CH/CHR-PE

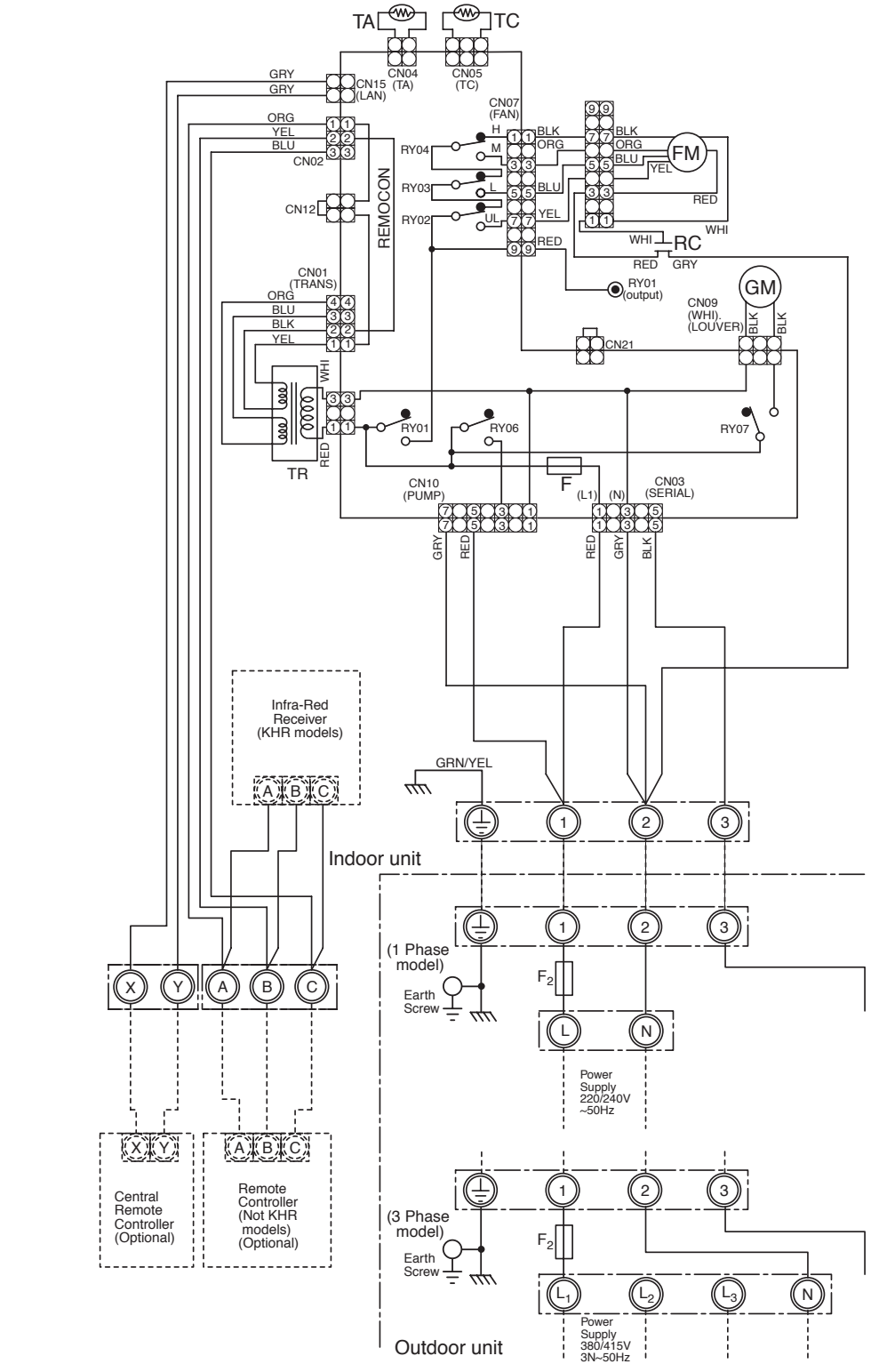


shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
TR	Transformer	GM	Geared Motor
F	Fuse (PCB)	RY01~RY07	Relay

3.3 RAV-134KH/KHR-PE
RAV-164KH/KHR-PE
RAV-264KH/KHR-PE

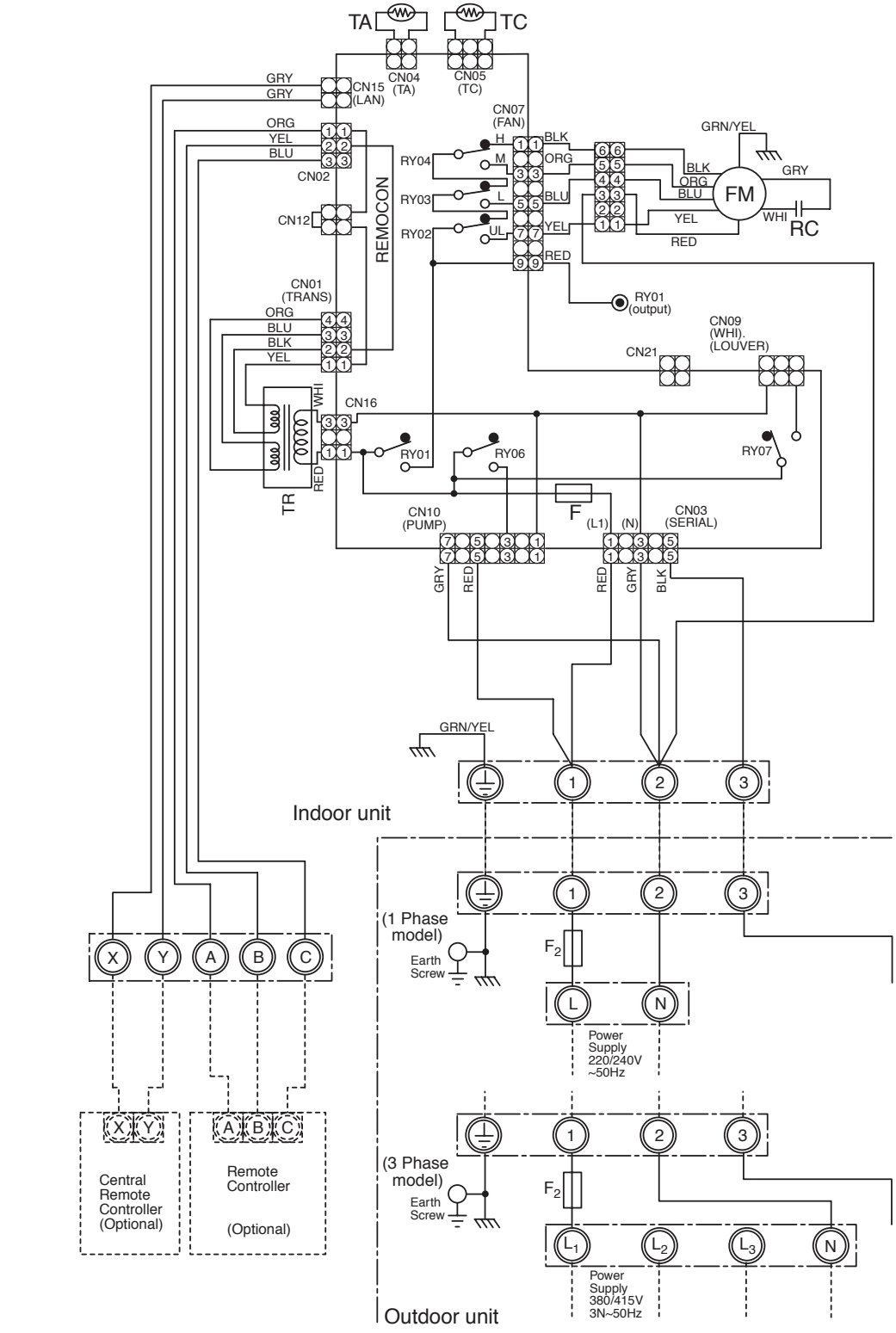


◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
TR	Transformer	GM	Geared Motor
F	Fuse (PCB)	RY01~RY07	Relay

3.4 RAV-104NH-PE
RAV-134NH-PE
RAV-164NH-PE
RAV-264NH-PE

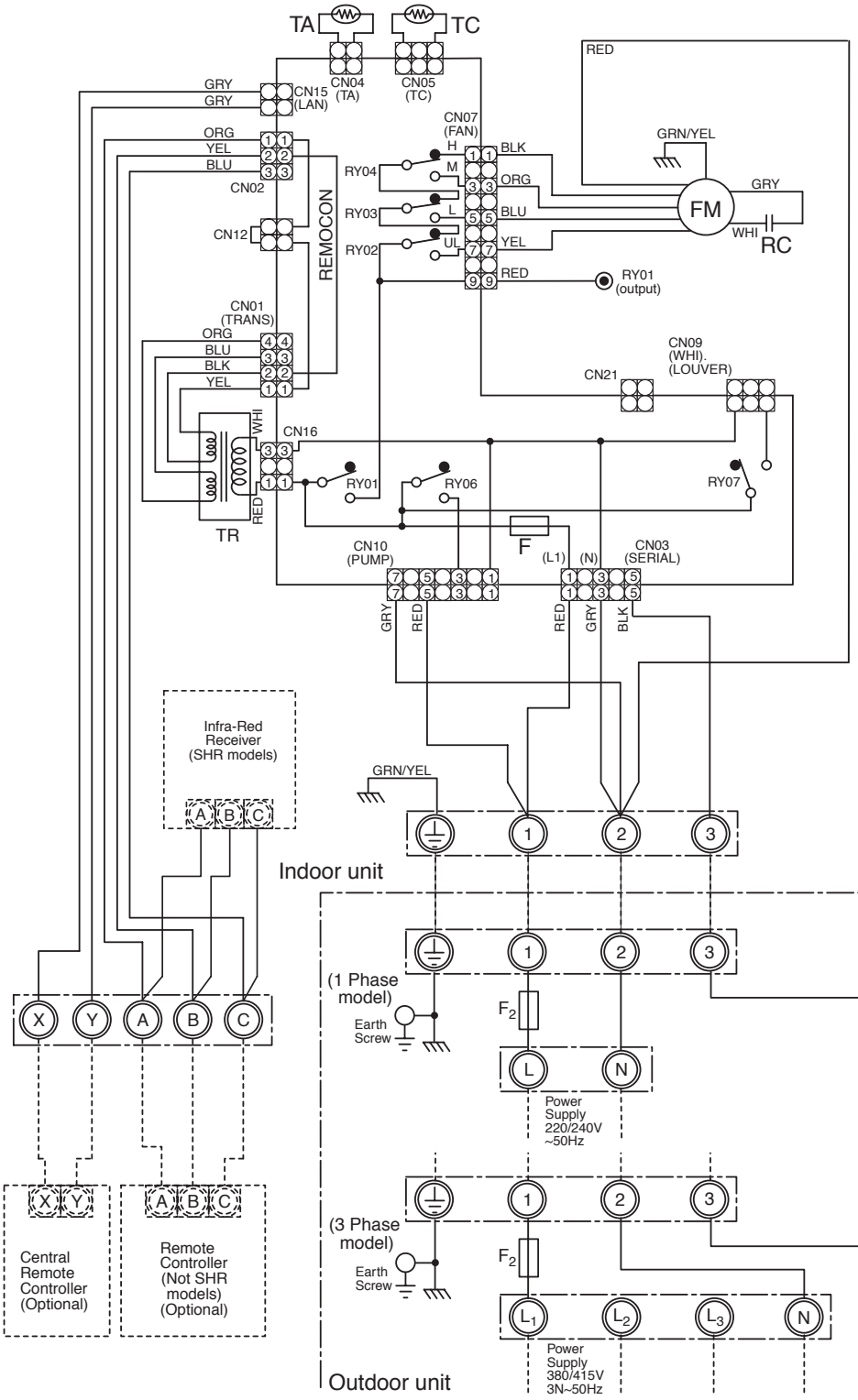


Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
TR	Transformer	RY01~RY07	Relay
F	Fuse (PCB)		

◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

3.5 RAV-164SH/SHR-PE
RAV-264SH/SHR-PE

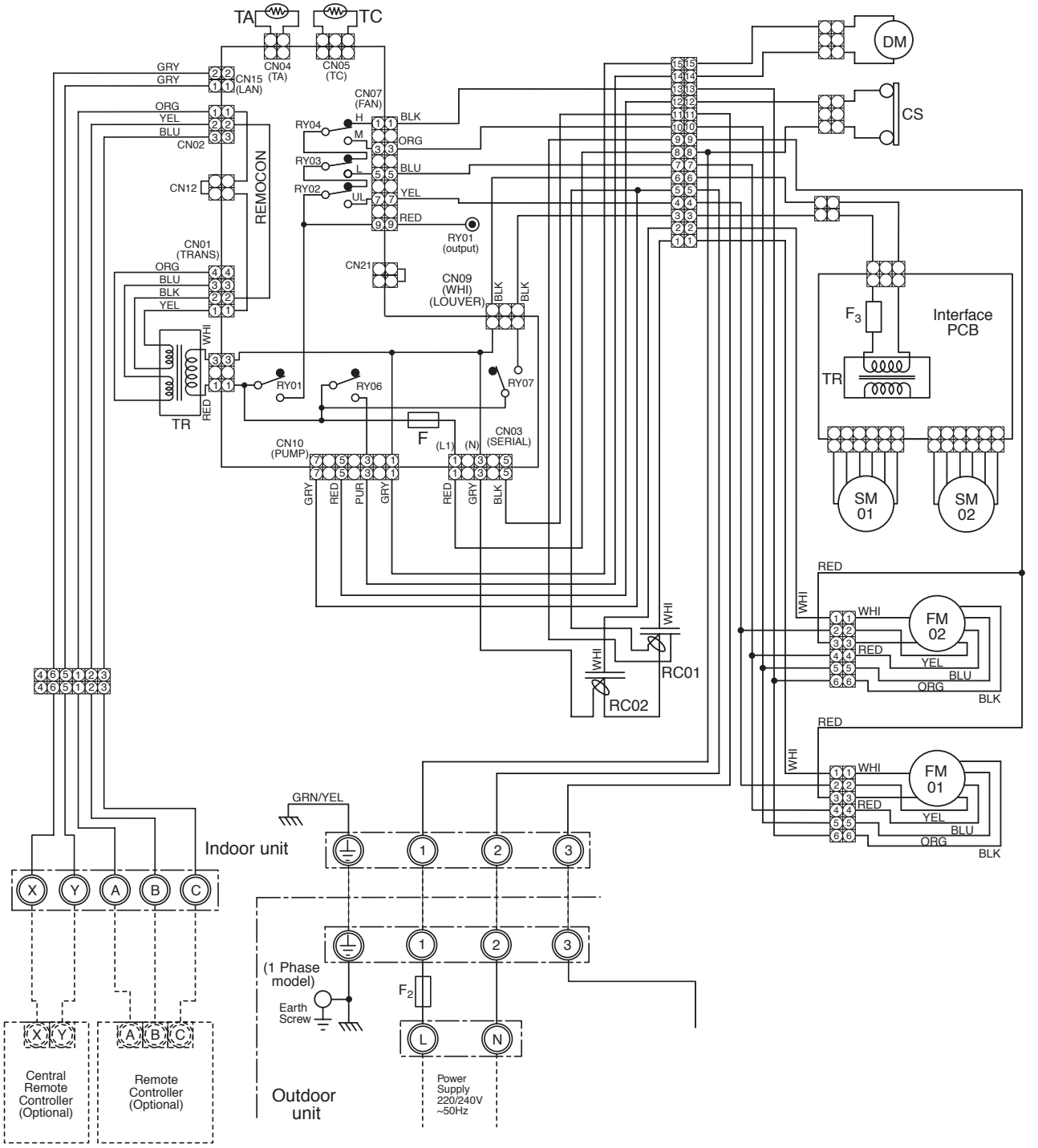


◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
TR	Transformer	RY01~RY07	Relay
F	Fuse (PCB)		

3.6 RAV-104TUH-PE
RAV-134TUH-PE
RAV-164TUH-PE

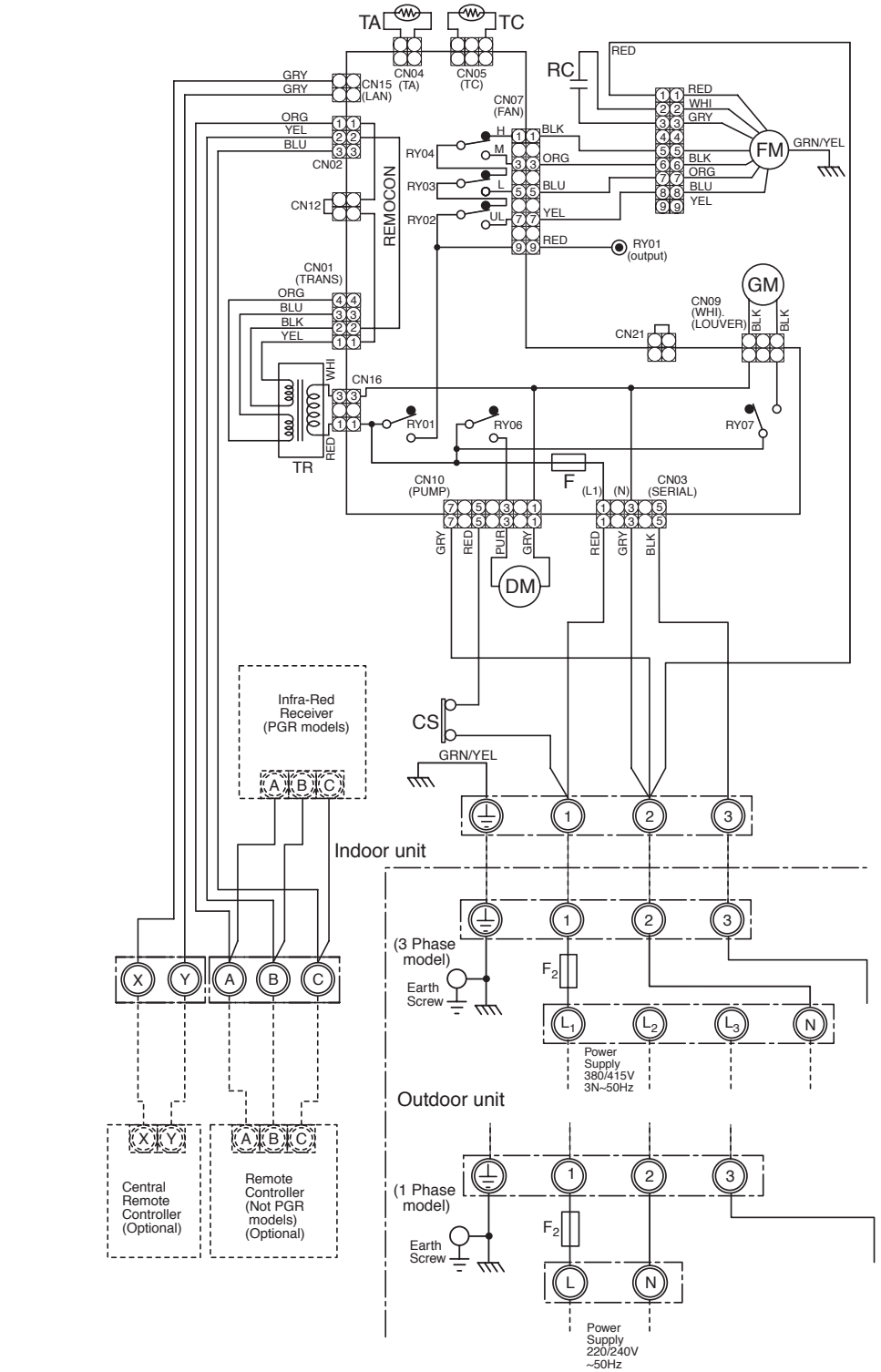


Symbol	Name	Symbol	Name
FM01, 02	Fan Motor	F	Fuse (PCB)
RC01, 02	Running Capacitor	F3	Fuse (Interface) PCB
TR	Transformer	DM	Drain Pump
TA	Sensor	SM01, 02	Stepper Motor
TC	Sensor	CS	Float Switch
RY01~RY07	Relay		

◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

3.7 RAV-164UH-PE
RAV-264UH-PE
RAV-364UH-PE
RAV-464UH-PE

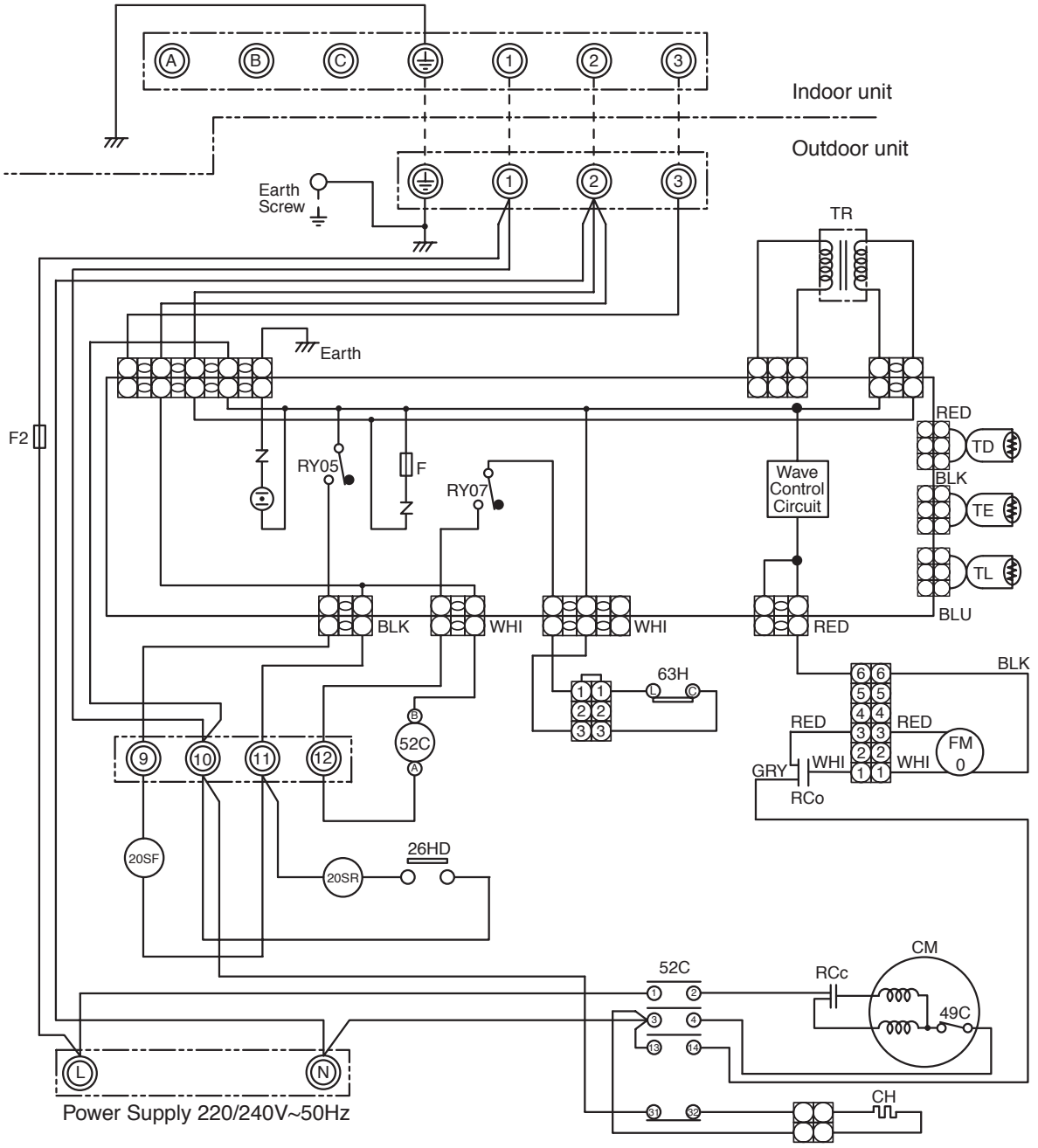


◯ shows terminal block and figures show terminal numbers.
Broken lines show wiring at site.

Do not operate the units with the magnetic contactor pushed in.

Symbol	Name	Symbol	Name
FM	Fan Motor	TA	Sensor
RC	Running Capacitor	TC	Sensor
F	Fuse (PCB)	GM	Geared Motor
TR	Transformer	RY01~RY07	Relay
DM	Drain Pump	CS	Float Switch

3.8 RAV-134AH-PE
RAV-164AH-PE
RAV-264AH-PE

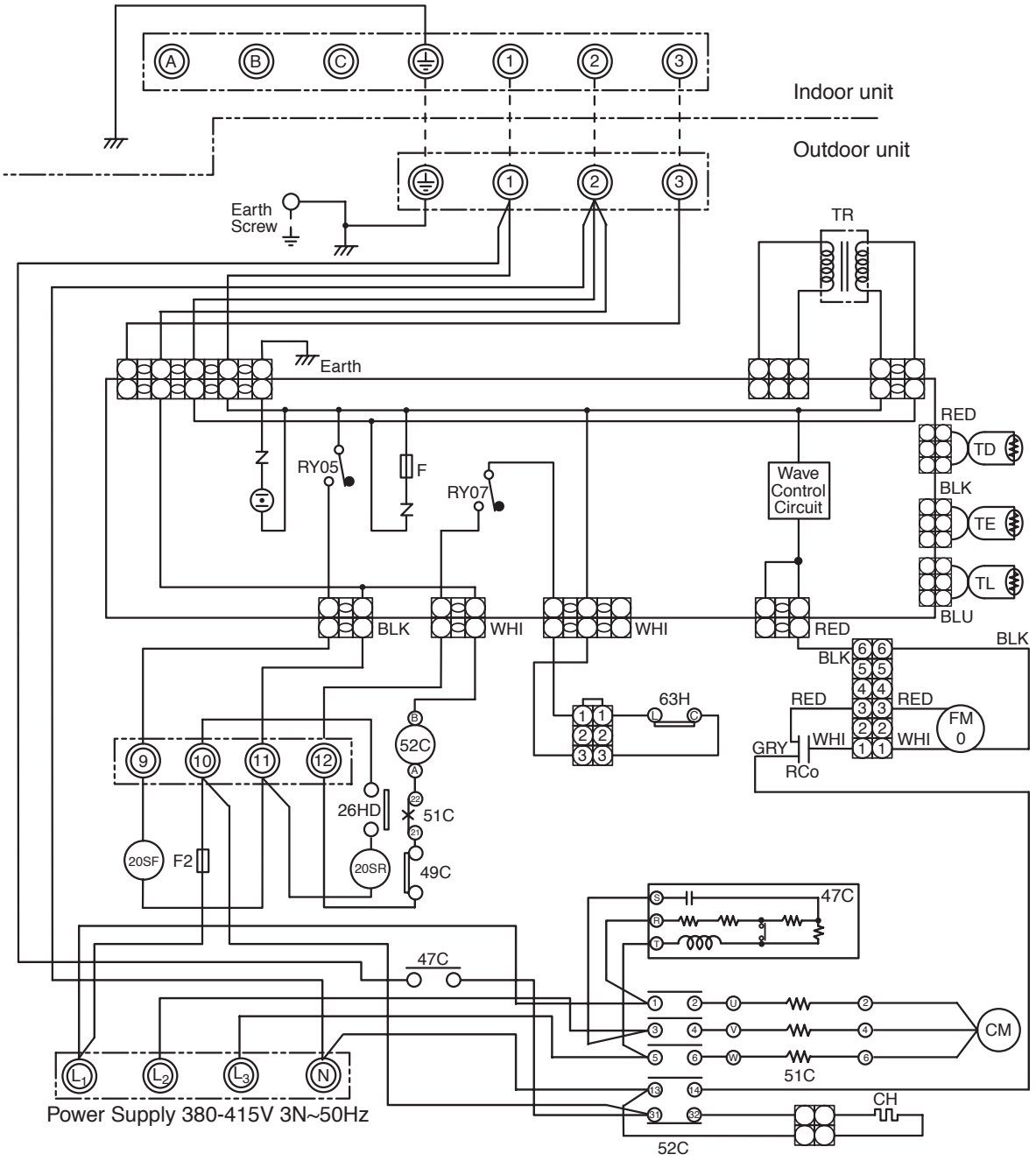


Shows terminal block and figures show terminal numbers. Broken lines show wiring at site.

Do not operate the units with magnetic contactor pushed in.

Symbol	Name	Symbol	Name	Symbol	Name
20SF	Solenoid coil (4 way valve)	CM	Compressor	F2	Fuse (T5A)
RY05,07	Relay	52C	Magnetic contactor	63H	High pressure switch
49C	Inner overload relay	FMo	Fan motor	CH	Crankcase heater
20SR	Solenoid coil (2 way valve)	TL	Sensor	F	Fuse (on PCB)
RCc	Running capacitor (compressor)	TE	Sensor	TR	Transformer
RCo	Running capacitor (fan motor)	26HD	Bimetal thermostat	TD	Sensor (Dummy)

3.9 RAV-264AH8-PE

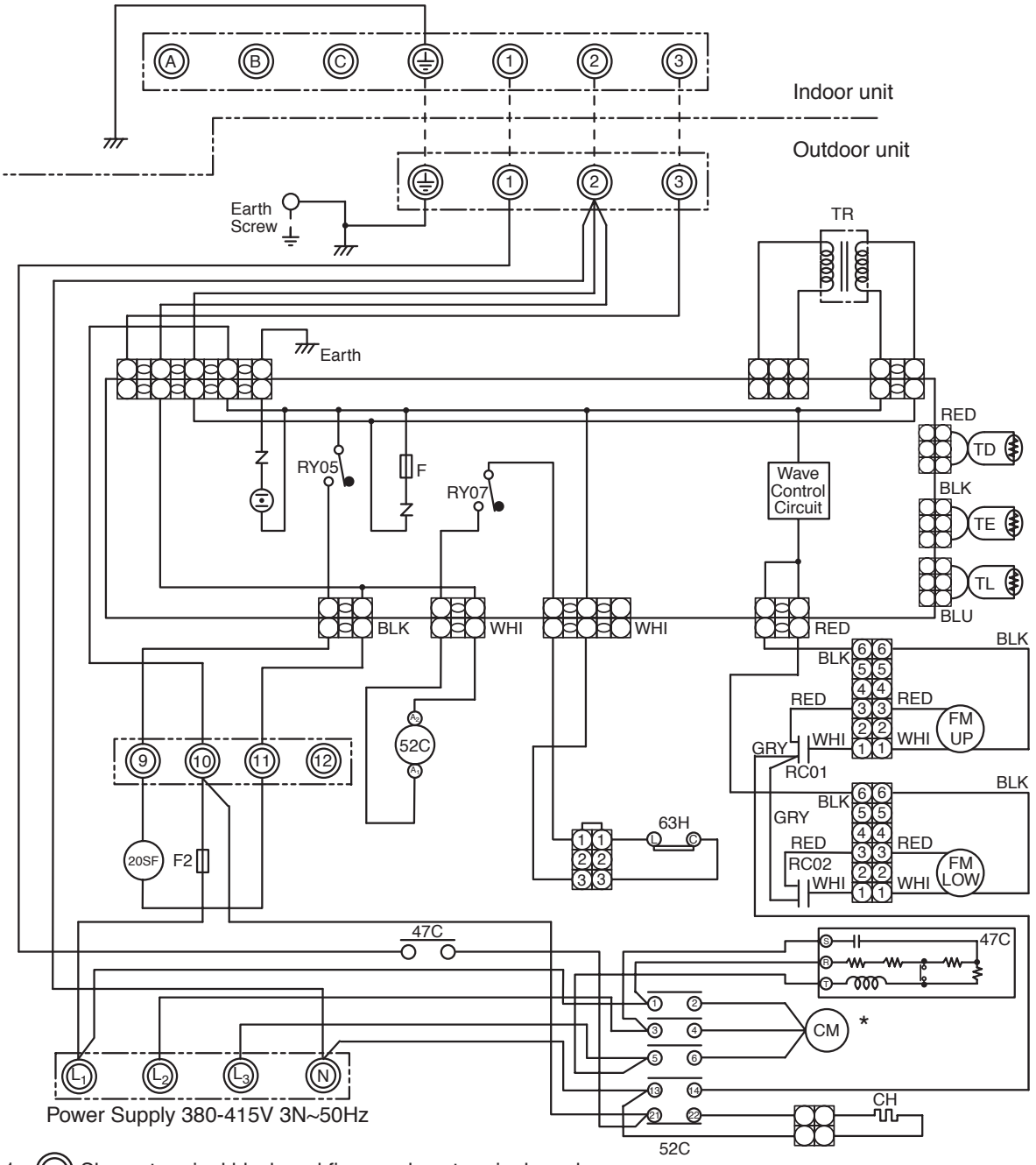


1. ◯ Shows terminal block and figures show terminal numbers. Broken lines show wiring at site.
2. When the three phases are not connected correctly, the reverse phase protector operates, and the unit will not start. In this case, check the three phase wiring.

Do not operate the units with magnetic contactor pushed in.

Symbol	Name	Symbol	Name	Symbol	Name
20SF	Solenoid coil (4 way valve)	CM	Compressor	F2	Fuse (T5A)
RY05,07	Relay	52C	Magnetic contactor	63H	High pressure switch
49C	Temperature Overload relay	FMo	Fan motor	CH	Crankcase heater
51C	Current Overload relay	TL	Sensor	F	Fuse (on PCB)
47C	Reverse phase protector	TE	Sensor	TR	Transformer
RCo	Running capacitor	TD	Sensor (Dummy)	26HD	Bi-metal thermostat
20SR	Solenoid coil (2-way valve)				

3.10 RAV-364AH8-PE
RAV-464AH8-PE



1. ◯ Shows terminal block and figures show terminal numbers.
   Broken lines show wiring at site.
2. When the phases are not connected correctly, the reverse phase protector operates and the unit will not start.
   In this case, check the three phase wiring.

*Compressor has internal thermal protection

Do not operate the units with magnetic contactor pushed in.

Symbol	Name	Symbol	Name	Symbol	Name
20SF	Solenoid coil	CM	Compressor	63H	High pressure switch
RY05,07	Relay	52C	Magnetic contactor	CH	Crankcase heater
47C	Reverse Phase Protector	FMUP,LOW	Fan motor (Outdoor)	F	Fuse (on PCB)
F2	Fuse (T5A)	TL	Sensor	TR	Transformer
RC01,02	Running capacitor	TE	Sensor	TD	Sensor

4. SPECIFICATIONS OF ELECTRICAL PARTS

4.1 RAV-164BH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-60-4A	Output (rated) 60W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2G405HQA114	AC 400V, 4μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.2 RAV-264BH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	STF-200-100-4B	Output (rated) 100W, 4 pole, 200V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EAG40M505UF	AC 400V, 5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.3 RAV-364BH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	STF-200-120-4B	Output (rated) 120W, 4 pole, 200V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EAG40M505UF	AC 400V, 5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.4 RAV464BH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	STF-200-140-4F	Output (rated) 140W, 4 pole, 200V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EAG40M106UF	AC 400V, 10μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.5 RAV-134CH/CHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor Unit fan motor	SMF-230-34-4H	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2H155HQA107	AC 500V, 1.5μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-6	AC 230V, 3W
5	Sensor for room temperature		Maximum input 38mA ˚C: 15 / 20 / 25 / 30 / 40 kΩ: 16.1 / 12.6 / 10.0 / 8.0 / 5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA ˚C: -12 / 10 kΩ: 67.5 / 21.3

4.6 RAV-164CH/CHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor Unit fan motor	SMF-230-34-4D	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2.5μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-6	AC 230V, 3W
5	Sensor for room temperature		Maximum input 38mA ˚C: 15 / 20 / 25 / 30 / 40 kΩ: 16.1 / 12.6 / 10.0 / 8.0 / 5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA ˚C: -12 / 10 kΩ: 67.5 / 21.3

4.7 RAV-264CH/CHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor Unit fan motor	SMF-230-34-4D	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2.5μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-6	AC 230V, 3W
5	Sensor for room temperature		Maximum input 38mA ˚C: 15 / 20 / 25 / 30 / 40 kΩ: 16.1 / 12.6 / 10.0 / 8.0 / 5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA ˚C: -12 / 10 kΩ: 67.5 / 21.3

4.8 RAV-364CH/CHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor Unit fan motor	SMF-230-75-4U	Output (rated) 75W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EVM45M305UF	AC 450V, 3.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-6	AC 230V, 3W
5	Sensor for room temperature		Maximum input 38mA
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA

˚C	15	20	25	30	40
kΩ	16.1	12.6	10.0	8.0	5.2

˚C	-12	10
kΩ	67.5	21.3

4.9 RAV-464CH/CHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor Unit fan motor	SMF-230-75-4B	Output (rated) 75W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2G405HQA114	AC 400V, 4.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8 -3-6	AC 230V, 3W
5	Sensor for room temperature		Maximum input 38mA
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA

˚C	15	20	25	30	40
kΩ	16.1	12.6	10.0	8.0	5.2

˚C	-12	10
kΩ	67.5	21.3

4.10 RAV-134KH/KHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	MMF-230-27-4P	Output (rated) 27W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2H105HQA105	AC 500V, 1.0μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Geared motor	MT8-3-6	AC 230V, 3W						
5	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.11 RAV-164KH/KHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	MMF-230-27-4P	Output (rated) 27W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2H155HQA107	AC 500V, 1.5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Geared motor	MT8-3-6	AC 230V, 3W						
5	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.12 RAV-264KH/KHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	MMF-230-27-4R	Output (rated) 27W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2W205HQA107	AC 450V, 2.0μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Geared motor	MT8-3-6	AC 230V, 3W						
5	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
6	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.13 RAV-104NH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-4H	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2H155HQA107	AC 500V, 1.5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.14 RAV-134NH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-4H	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2W205HQA107	AC 450V, 2μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.15 RAV-164NH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-4E	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2,5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.16 RAV-264NH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-40	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2H155HQA107	AC 500V, 1.5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.17 RAV-164SH/SHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-4D	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2.5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.18 RAV-264SH/SHR-PE

No	PARTS NAME	TYPE	SPECIFICATIONS						
1	Indoor Unit fan motor	SMF-230-34-4D	Output (rated) 34W, 4 pole, 230V, 1 Phase, 50Hz						
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2.5μF						
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V						
4	Sensor for room temperature		Maximum input 38mA	˚C	15	20	25	30	40
				kΩ	16.1	12.6	10.0	8.0	5.2
5	Sensor for heat exchanger temperature		Maximum input 15.5mA				˚C	-12	10
							kΩ	67.5	21.3

4.19 RAV-104TUH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor (x2)	PAF-230-7-4	Output (rated) 7W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor (x2)	EVM45M504UF	AC 450V, 0.5μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Stepper motor (x2)	MP35EA2	DC 12V, 80mNm
5	Drain pump	PCD-4N230TF-3	AC 230V, 0.2A
6	Float switch	FS-085-003E	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA: ˚C 15 20 25 30 40 / kΩ 16.1 12.6 10.0 8.0 5.2
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA: ˚C -12 10 / kΩ 67.5 21.3

4.20 RAV-134TUH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor (x2)	PAF-230-7-4	Output (rated) 7W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor (x2)	EEP2H105HQA105	AC 500V, 1.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Stepper motor (x2)	MP35EA2	DC 12V, 80mNm
5	Drain pump	PCD-4N230TF-3	AC 230V, 0.2A
6	Float switch	FS-085-003E	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA: ˚C 15 20 25 30 40 / kΩ 16.1 12.6 10.0 8.0 5.2
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA: ˚C -12 10 / kΩ 67.5 21.3

4.21 RAV-164TUH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor (x2)	PAF-230-7-4	Output (rated) 7W, 4 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor (x2)	EEP2H105HQA105	AC 500V, 1.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-254V
4	Stepper motor (x2)	MP35EA2	DC 12V, 80mNm
5	Drain pump	PCD-4N230TF-3	AC 230V, 0.2A
6	Float switch	FS-085-003E	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA: ˚C 15 20 25 30 40 / kΩ 16.1 12.6 10.0 8.0 5.2
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA: ˚C -12 10 / kΩ 67.5 21.3

4.22 RAV-164UH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor	MMF-230-28A	Output (rated) 28W, 6 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2H105HQA105	AC 500V, 1.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 287-264V
4	Geared motor	MT8-3-8	AC 240V, 3W
5	Drain pump	PJV-0739	AC 230V, 0.2A
6	Float switch	FS-085-003B	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA ˚C: 15 / 20 / 25 / 30 / 40 kΩ: 16.1 / 12.6 / 10.0 / 8.0 / 5.2
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA ˚C: -12 / 10 kΩ: 67.5 / 21.3

4.23 RAV-264UH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor	MMF-230-28A	Output (rated) 28W, 6 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2W205HQA107	AC 450V, 2.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-8	AC 240V, 3W
5	Drain pump	PJV-0739	AC 230V, 0.2A
6	Float switch	FS-085-003B	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA ˚C: 15 / 20 / 25 / 30 / 40 kΩ: 16.1 / 12.6 / 10.0 / 8.0 / 5.2
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA ˚C: -12 / 10 kΩ: 67.5 / 21.3

4.24 RAV-364UH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor	MMF-230-36A	Output (rated) 36W, 6 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EEP2W255HQA113	AC 450V, 2.5μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-8	AC 230V, 3W
5	Drain pump	PJV-0739	AC 230V, 0.2A
6	Float switch	FS-085-003B	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA

˚C	15	20	25	30	40
kΩ	16.1	12.6	10.0	8.0	5.2

˚C	-12	10
kΩ	67.5	21.3

4.25 RAV-464UH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS
1	Indoor unit fan motor	MMF-230-36A	Output (rated) 36W, 6 pole, 230V, 1 Phase, 50Hz
2	Running capacitor for indoor fan motor	EVM45M305UF	AC 450V, 3.0μF
3	Transformer (Indoor Unit)	ST-10568	AC 187-264V
4	Geared motor	MT8-3-8	AC 230V, 3W
5	Drain pump	PJV-0739	AC 230V, 0.2A
6	Float switch	FS-085-003B	AC 230V, 0.5A
7	Sensor for room temperature		Maximum input 38mA
8	Indoor Unit sensor for heat exchanger temperature		Maximum input 15.5mA

˚C	15	20	25	30	40
kΩ	16.1	12.6	10.0	8.0	5.2

˚C	-12	10
kΩ	67.5	21.3

4.26 RAV-134AH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	PG330X3F-4LS	Output (rated) 1.5kW, 2 pole, 220/240V, 1 Phase, 50Hz			
2	Outdoor unit fan motor	SMF-230-39N-2	Output (rated) 39W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FMCa-1S-02	AC 220-240V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm^{2}G Resetting pressure 23kgf/cm^{2}G			
6	Solenoid coil for four-way valve	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Sensor for defrosting		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Fuse		T5A			
10	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
11	Solenoid coil for two-way valve	NEV AC 240V	AC 220-240V, 50Hz			
12	Running capacitor for compressor	MT-44MP456W	AC 440V, 45μF			
13	Transformer (Outdoor Unit)	FT-67	AC 187-264V			
14	Bimetal thermostat	CS-12A	Tripping temperature: 110˚C Resetting temperature: 90˚C			

4.27 RAV-164AH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	PG350X3F-4LS	Output (rated) 1.5kW, 2 pole, 220/240V, 1 Phase, 50Hz			
2	Outdoor unit fan motor	SMF-230-39N-2	Output (rated) 39W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FMCa-1S-02	AC 220-240V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm^{2}G Resetting pressure 23kgf/cm^{2}G			
6	Solenoid coil for four-way valve	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Sensor for defrosting		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Fuse		T5A			
10	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
11	Solenoid coil for two-way valve	NEV AC 240V	AC 220-240V, 50Hz			
12	Running capacitor for compressor	MT-44MP456W	AC 440V, 45μF			
13	Transformer (Outdoor Unit)	FT-67	AC 187-264V			
14	Bimetal thermostat	CS-12A	Tripping temperature: 110˚C Resetting temperature: 90˚C			

4.28 RAV-264AH-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	PG460X3F-4MS	Output (rated) 2.2kW, 2 pole, 220/240V, 1 Phase, 50Hz			
2	Outdoor unit fan motor	SMF-230-63N-2	Output (rated) 63W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FMCa-1S-02	AC 220-240V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm²G Resetting pressure 23kgf/cm²G			
6	Solenoid coil for four-way valve	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Sensor for defrosting		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Fuse		T5A			
10	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
11	Solenoid coil for two-way valve	NEV AC 240V	AC 220-240V, 50Hz			
12	Running capacitor for compressor	EAR42M606UF	AC 420V, 60μF			
13	Transformer (Outdoor Unit)	FT-67	AC 187-264V			
14	Bimetal thermostat	CS-12A	Tripping temperature: 110˚C Resetting temperature: 90˚C			

4.29 RAV-264AH8-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	YG460X3F-MS	Output (rated) 2.2kW, 2 pole, 380/415V, 3 Phase, 50Hz			
2	Outdoor unit fan motor	SMF-230-63N-2	Output (rated) 63W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FMSa-1	AC 220-240V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm^{2}G Resetting pressure 23kgf/cm^{2}G			
6	Solenoid coil for four-way valve	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Sensor for defrosting		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Fuse		T5A			
10	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
11	Solenoid coil for two-way valve	NEV AC 240V	AC 220-240V, 50Hz			
12	Reverse Phase Protector	STR-4AD				
13	Transformer (Outdoor Unit)	FT-67	AC 187-264V			
14	Bimetal thermostat	CS-12A	Tripping temperature: 110˚C Resetting temperature: 90˚C			

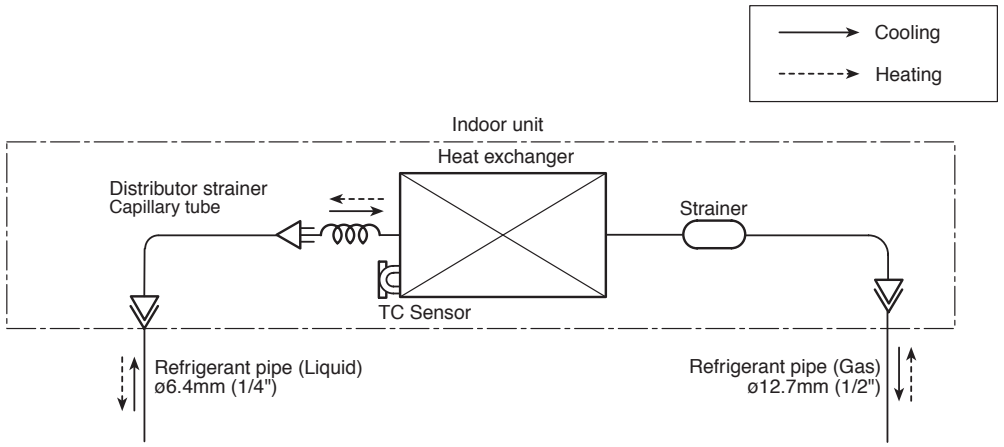
4.30 RAV-364AH8-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	ZR49KCE-TFD-230	Output (rated) 3.0kW, 2 pole, 380/415V, 3 Phase, 50Hz			
			Winding resistance 3.73Ω at 20˚C			
2	Outdoor unit fan motor	SMF-230-63N-2	Output (rated) 63W, 6 pole, 230V, 1 Phase, 50Hz			
		SMF-230-39N-2	Output (rated) 39W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FC-2S	AC 230V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm^{2}G Resetting pressure 23kgf/cm^{2}G			
6	Solenoid coil	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Outdoor unit for heat exchanger temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Transformer for outdoor unit	FT-67	AC 187-264V			
10	Fuse		T5A			
11	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
12	Reverse Phase Protector	STR-4AD				
13	Sensor for delivery pipe temperature			˚C	23	100
				kΩ	57.0	3.4

4.31 RAV-464AH8-PE

No	PARTS NAME	TYPE	SPECIFICATIONS			
1	Compressor	ZR61KCE-TFD-230	Output (rated) 3.75kW, 2 pole, 380/415V, 3 Phase, 50Hz			
			Winding resistance 2.19 Ω at 20˚C			
2	Outdoor unit fan motor	SMF-230-63N-2	Output (rated) 63W, 6 pole, 230V, 1 Phase, 50Hz			
		SMF-230-39N-2	Output (rated) 39W, 6 pole, 230V, 1 Phase, 50Hz			
3	Running capacitor for outdoor fan motor	EEP2G405HQA114	AC 400V, 4μF			
4	Magnetic contactor	FC-2S	AC 230V, 50Hz			
5	High pressure switch	ACB-2TB04W	Tripping pressure 30kgf/cm²G Resetting pressure 23kgf/cm²G			
6	Solenoid coil	CHV-AC240V	AC 220-240V			
7	Crankcase heater		AC 240V, 28W			
8	Outdoor unit for heat exchanger temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
9	Transformer for outdoor unit	FT-67	AC 187-264V			
10	Fuse		T5A			
11	Sensor for cooling operation in low ambient temperature		Maximum input 15.5mA	˚C	-12	10
				kΩ	67.5	21.3
12	Reverse Phase Protector	STR-4AD				
13	Sensor for delivery pipe temperature			˚C	23	100
				kΩ	57.0	3.4

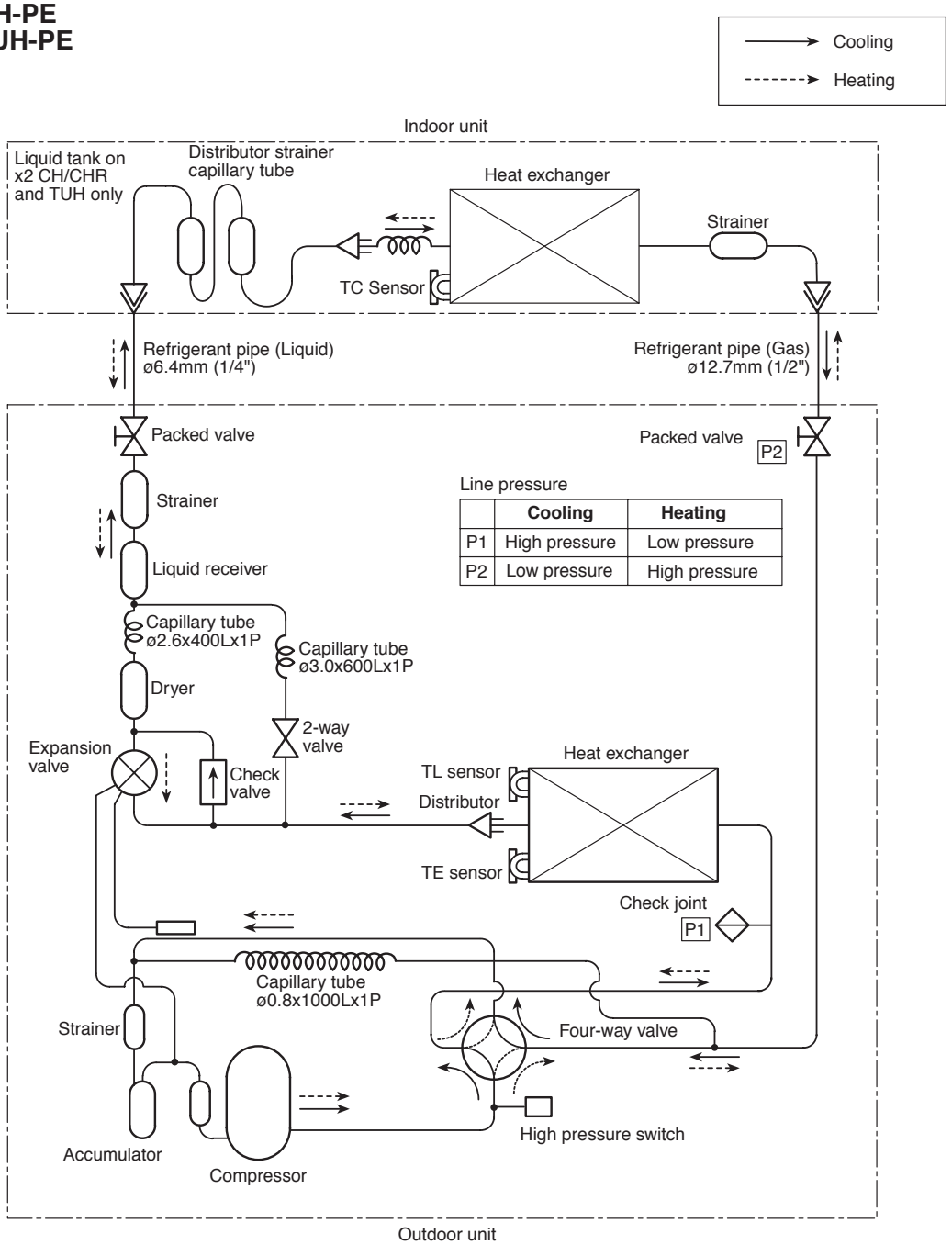
5.1 Indoor Unit
RAV-104NH-PE
RAV-104TUH-PE



Model	Capillary
RAV-104NH-PE	IDø1.7x250Lx2P
RAV-104TUH-PE	IDø2.4x300Lx2P

5.2 Indoor Unit
RAV-134CH/CHR-PE
RAV-134KH/KHR-PE
RAV-134NH-PE
RAV-134TUH-PE

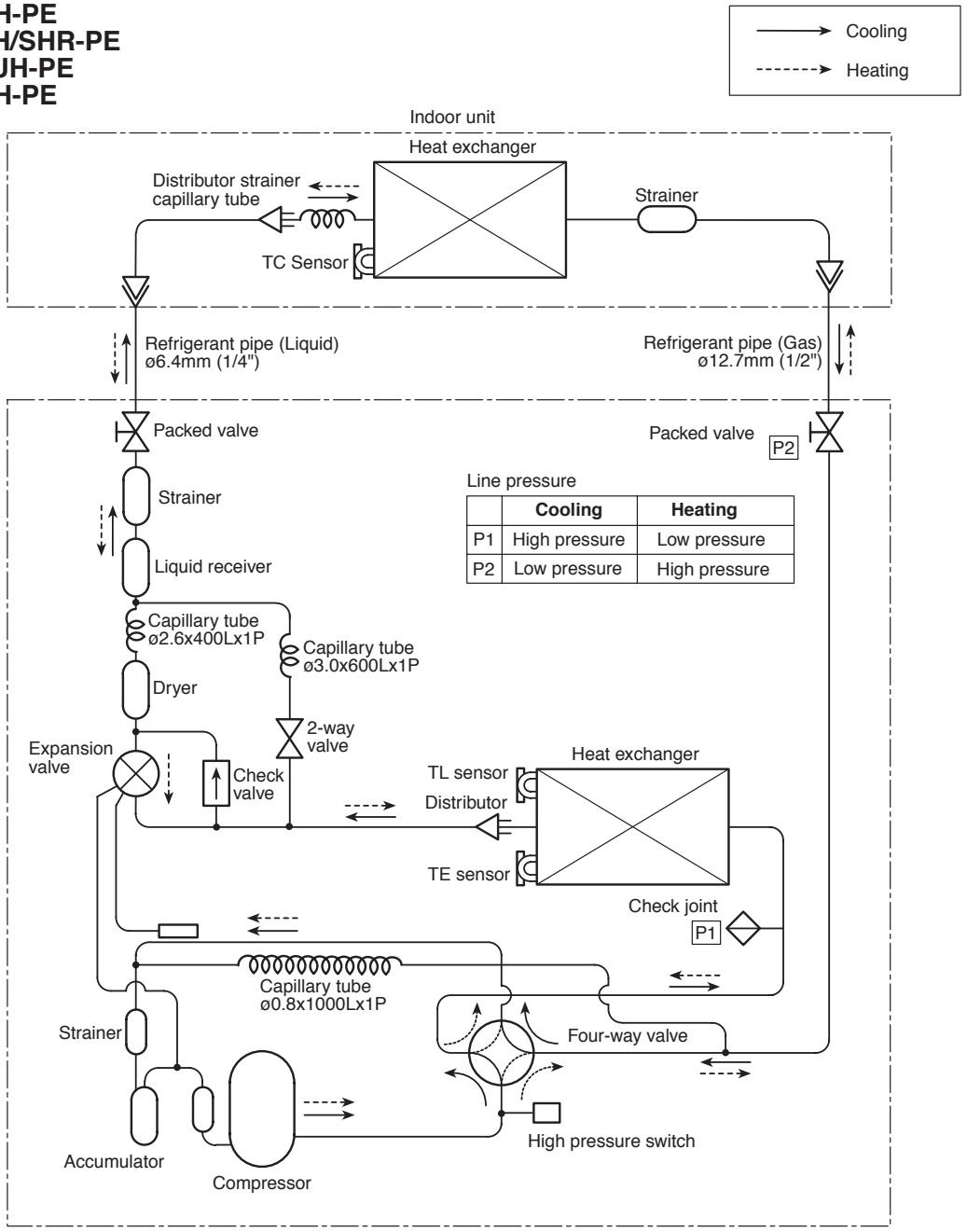
Outdoor Unit
RAV-134AH-PE



INDOOR UNIT		OUTDOOR UNIT			
Model	Capillary	Model	Main Capillary	Bypass Capillary	Cooling Bypass Capillary
RAV-134CH/CHR-PE	IDø2.0x300Lx2P IDø2.0x200Lx2P	RAV-134AH-PE	IDø2.6x400Lx1P	IDø0.8x1000Lx1P	IDø3x600Lx1P
RAV-134KH/KHR-PE	IDø1.7x300Lx2P IDø1.7x400Lx2P				
RAV-134NH-PE	IDø1.7x150Lx3P				
RAV-134TUH-PE	IDø2.4x300Lx2P				

5.3 Indoor Unit
RAV-164BH-PE
RAV-164CH/CHR-PE
RAV-164KH/KHR-PE
RAV-164NH-PE
RAV-164SH/SHR-PE
RAV-164TUH-PE
RAV-164UH-PE

Outdoor Unit
RAV-164AH-PE

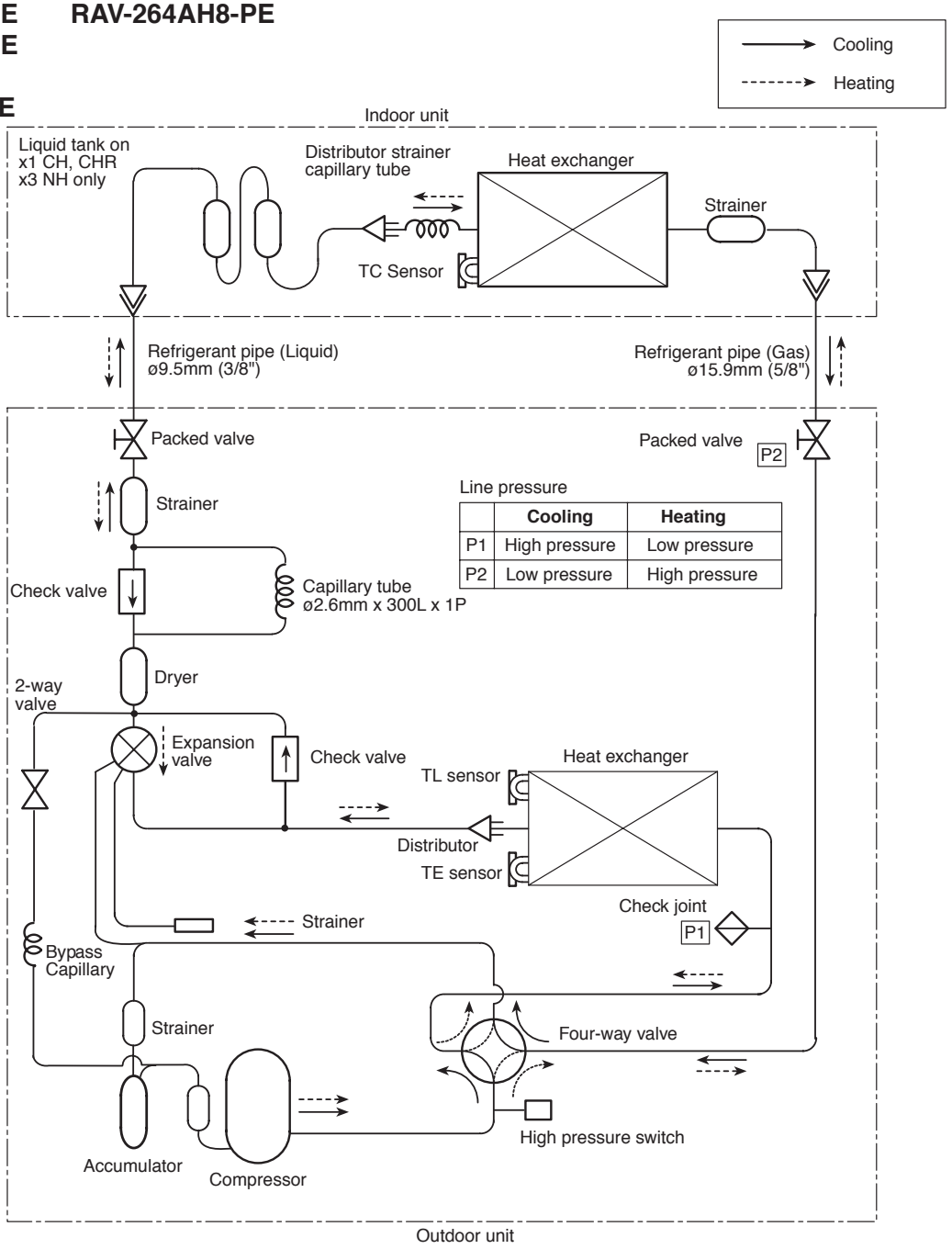


INDOOR UNIT		OUTDOOR UNIT			
Model	Capillary	Model	Main Capillary	Bypass Capillary	Cooling Bypass Capillary
RAV-164BH-PE	IDø1.7x150Lx2P IDø1.7x300Lx1P	RAV-164AH-PE	IDø2.6x400Lx1P	IDø0.8x1000Lx1P	IDø3x600Lx1P
RAV-164CH/CHR-PE	IDø1.7x300Lx2P IDø1.7x400Lx2P				
RAV-164KH/KHR-PE	IDø1.7x300Lx2P IDø1.7x300Lx2P				
RAV-164NH-PE	IDø1.7x200Lx3P IDø1.7x300Lx1P				
RAV-164SH/SHR-PE	IDø1.7x400Lx2P IDø1.7x250Lx2P				
RAV-164TUH-PE	IDø2.2x200Lx2P				
RAV-164UH-PE	IDø2.0x200Lx3P				

5.4 Indoor Unit / Outdoor Unit

Indoor Unit
- RAV-264BH-PE
- RAV-264CH/CHR-PE
- RAV-264KH/KHR-PE
- RAV-264NH-PE
- RAV-264SH/SHR-PE
- RAV-264UH-PE

Outdoor Unit
- RAV-264AH-PE
- RAV-264AH8-PE

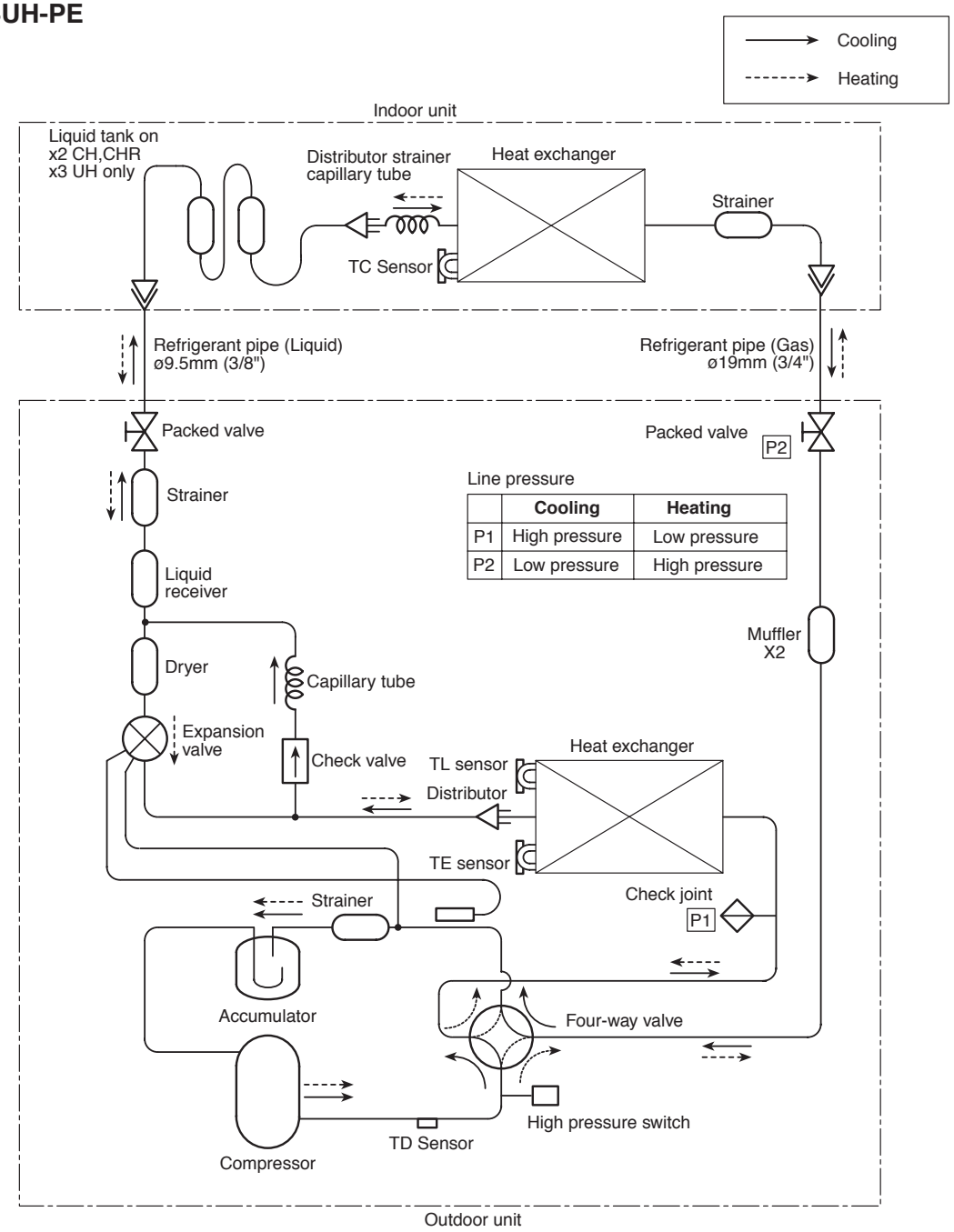


INDOOR UNIT		OUTDOOR UNIT		
MODEL	CAPILLARY	MODEL	MAIN CAPILLARY	BYPASS CAPILLARY
RAV-264CH/CHR-PE	IDø2.6x200x4P IDø2.6x600x2P	RAV-264AH-PE RAV-264AH8-PE	IDø2.6x300Lx1P	IDø1.0x500Lx1P
RAV-264UH-PE	IDø2.6x200x5P IDø2.6x400x1P			
RAV-264BH-PE	IDø2.6x200x4P IDø2.6x400x2P			
RAV-264KH/KHR-PE	IDø2.6x600x4P IDø2.6x400x2P			
RAV-264NH-PE	IDø2.6x200x5P IDø2.6x400x1P			
RAV-264SH/SHR-PE	IDø2.6x200x4P IDø2.6x600x2P			

5.5 Indoor Unit / Outdoor Unit

RAV-364BH-PE
RAV-364CH/CHR-PE
RAV-364UH-PE

RAV-364AH8-PE



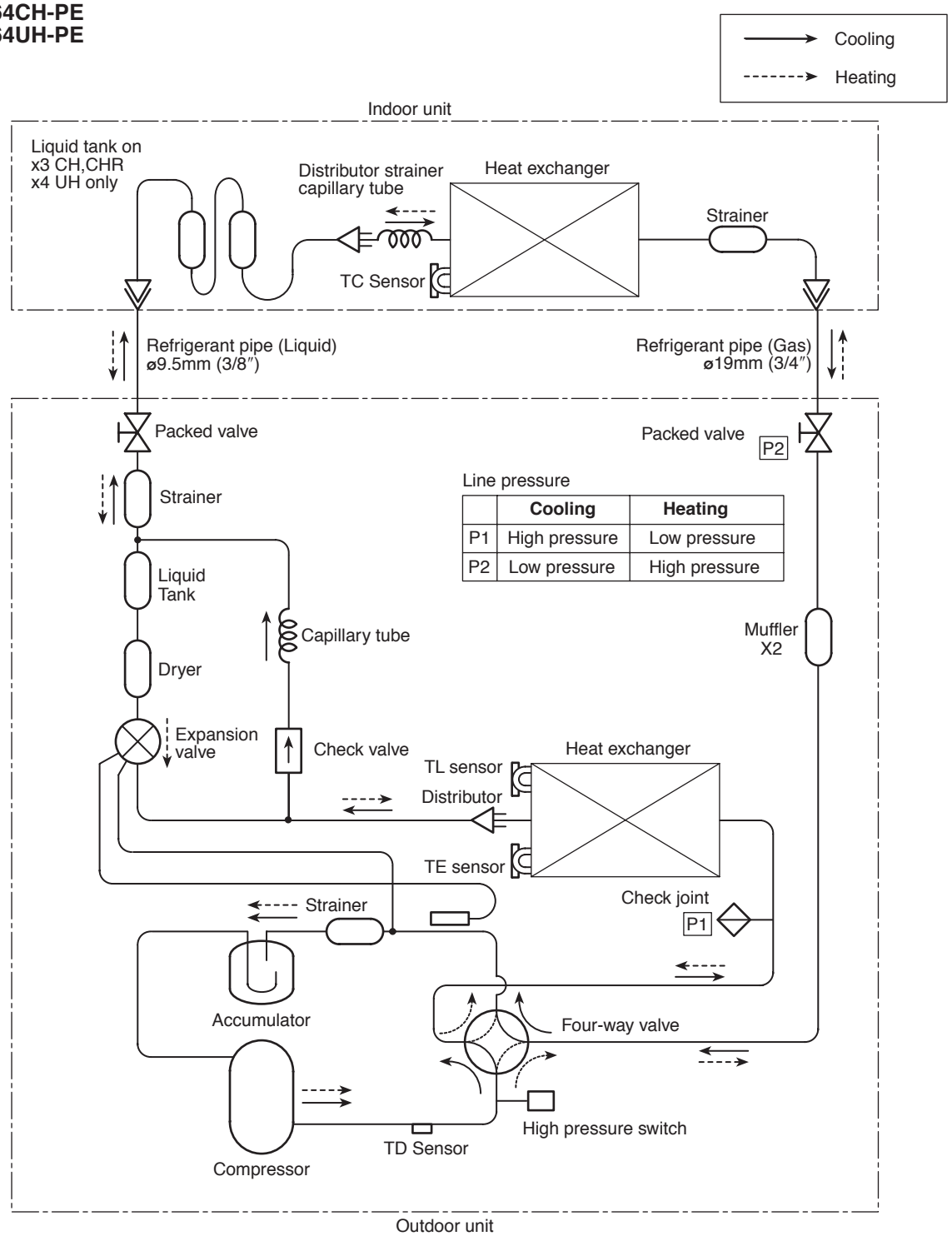
Line pressure

	Cooling	Heating
P1	High pressure	Low pressure
P2	Low pressure	High pressure

INDOOR UNIT		OUTDOOR UNIT	
MODEL	**CAPILLARY**	**MODEL**	**MAIN CAPILLARY**
RAV-364BH-PE	IDø2.2x200Lx6P	RAV-364AH8-PE	IDø2.5x500Lx1P
RAV-364CH/CHR-PE	IDø2x200Lx7P		
RAV-364UH-PE	IDø2.6x200Lx6P IDø2.6x300Lx2P IDø2.6x500Lx2P		

5.6 Indoor unit
RAV-464BH-PE
RAV-464CH-PE
RAV-464UH-PE

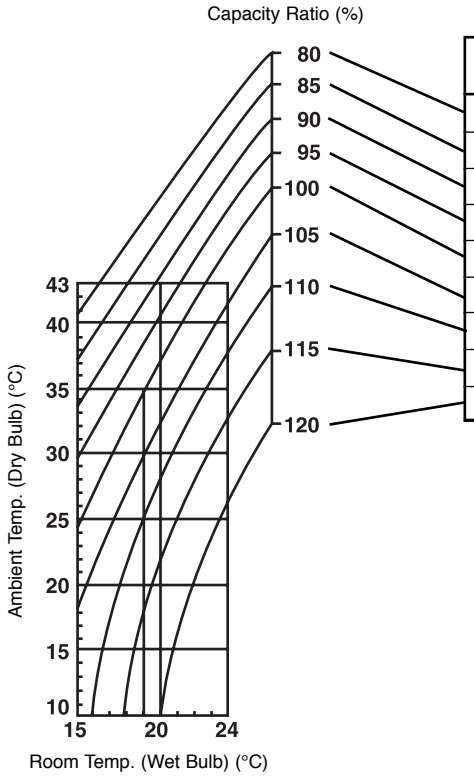
Outdoor unit
RAV-464AH8-PE



Line pressure	Cooling	Heating
P1	High pressure	Low pressure
P2	Low pressure	High pressure

INDOOR UNIT		OUTDOOR UNIT	
MODEL	**CAPILLARY**	**MODEL**	**MAIN CAPILLARY**
RAV-464BH-PE	IDø2.2x200Lx6P	RAV-464AH8-PE	IDø3x600Lx1P
RAV-464CH/CHR-PE	IDø2x200Lx8P		
RAV-464UH-PE	IDø2.6x200Lx6P IDø2.6x300Lx2P IDø2.6x500Lx2P		

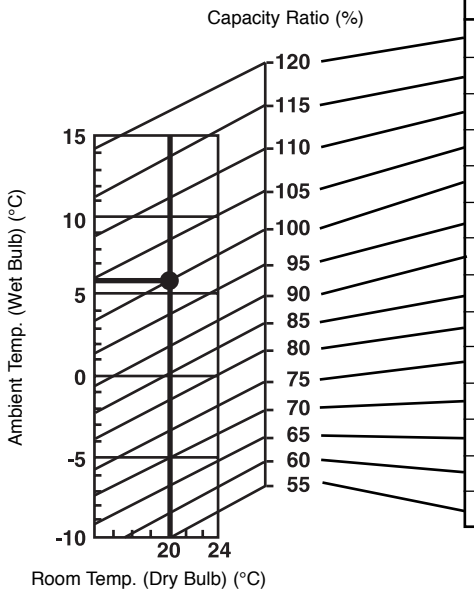
6.1 Cooling capacity



(kW)

RAV-134AH-PE	RAV-164AH-PE	RAV-264AH-PE RAV-264AH8-PE	RAV-364AH8-PE	RAV-464AH8-PE
2.88	3.60	5.68	8.00	10.00
3.06	3.82	6.04	8.50	10.63
3.24	4.05	6.39	9.00	11.25
3.42	4.28	6.75	9.50	11.88
3.60	4.50	7.10	10.00	12.50
3.78	4.73	7.46	10.50	13.13
3.96	4.95	7.81	11.00	13.75
4.14	5.18	8.17	11.50	14.38
4.32	5.40	8.52	12.00	15.00

6.2 Heating capacity

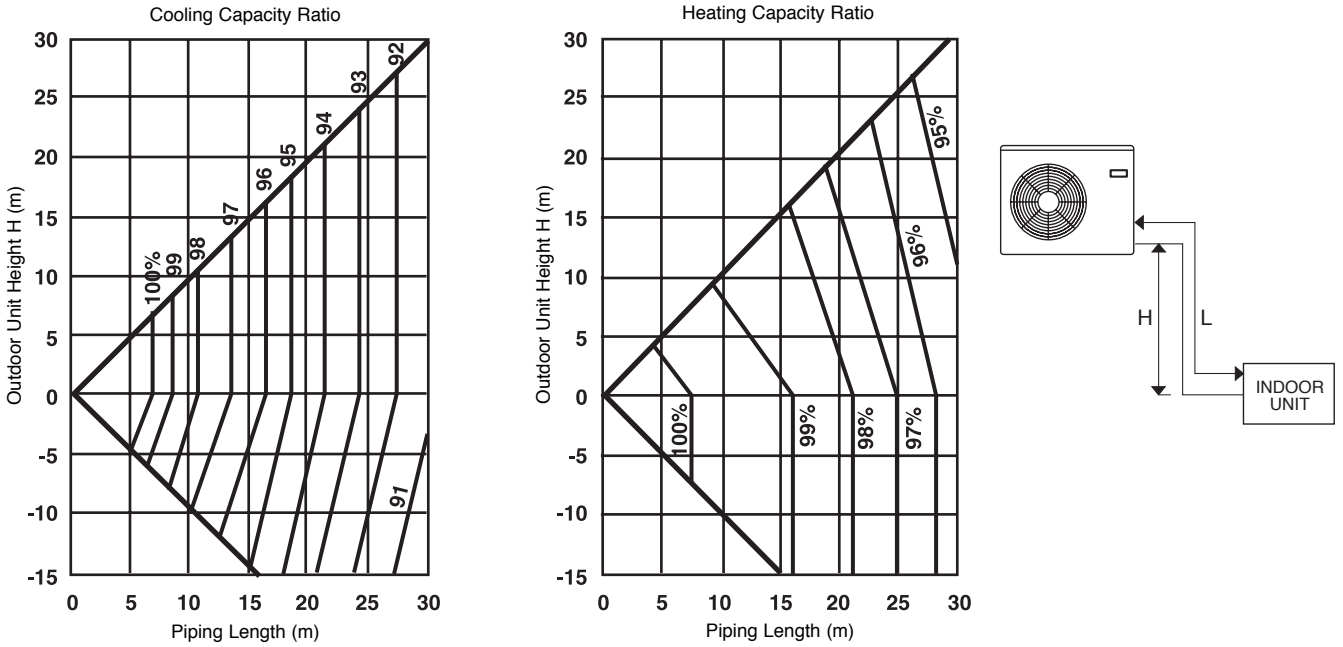


(kW)

RAV-134AH-PE	RAV-164AH-PE	RAV-264AH-PE RAV-264AH8-PE	RAV-364AH8-PE	RAV-464AH8-PE
5.04	6.00	9.48	12.96	16.56
4.83	5.75	9.09	12.42	15.87
4.62	5.50	8.69	11.88	15.18
4.41	5.25	8.30	11.34	14.49
4.20	5.00	7.90	10.80	13.80
3.99	4.75	7.51	10.26	13.11
3.78	4.50	7.11	9.72	12.42
3.57	4.25	6.72	9.18	11.73
3.36	4.00	6.32	8.64	11.03
3.15	3.75	5.93	8.10	10.35
2.94	3.50	5.53	7.56	9.66
2.73	3.25	5.14	7.02	8.97
2.52	3.00	4.74	6.48	8.28
2.31	2.75	4.35	5.94	7.59

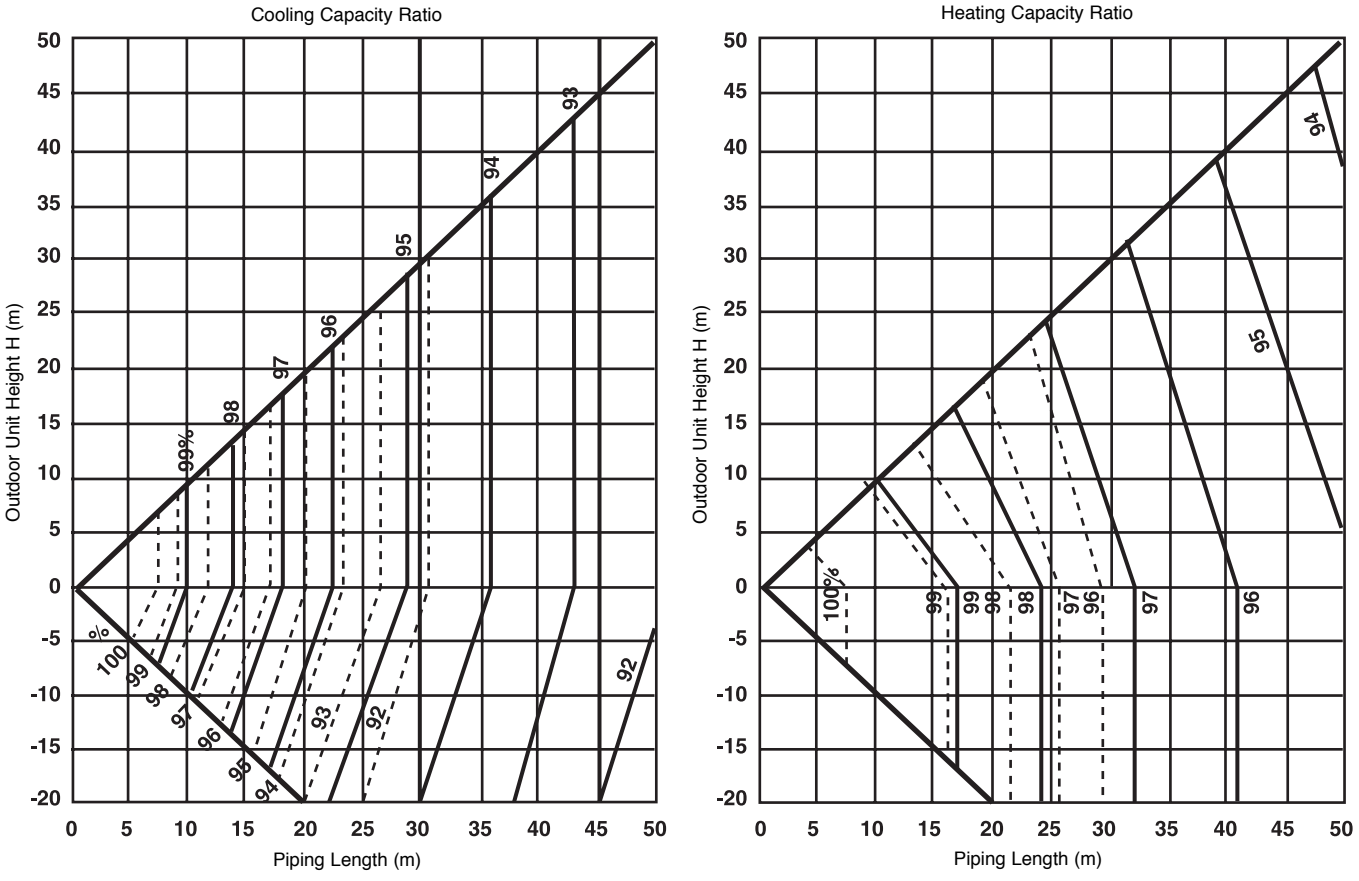
6.3 Capacity Correction Factors

RAV-134AH-PE
RAV-164AH-PE
RAV-264AH-PE
RAV-264AH8-PE



6.4 Capacity Correction Factors

RAV-364AH8-PE
RAV-464AH8-PE



The broken line shows in case the piping length is 30m or less

6.5 Piping Length/Additional Refrigerant Volume

! The amount of refrigerant put into the outdoor unit at the factory is sufficient to fill up to 20m of refrigerant pipework.

! If the length of the refrigerant pipework is 20m or less, addition of refrigerant at the installation site is unnecessary.

! If the length of the pipework exceeds 20m, extra refrigerant must be added. Refer to the table below for details of the extra amounts.

! Overcharge or undercharge of refrigerant in the outdoor unit will cause malfunction of the compressor.

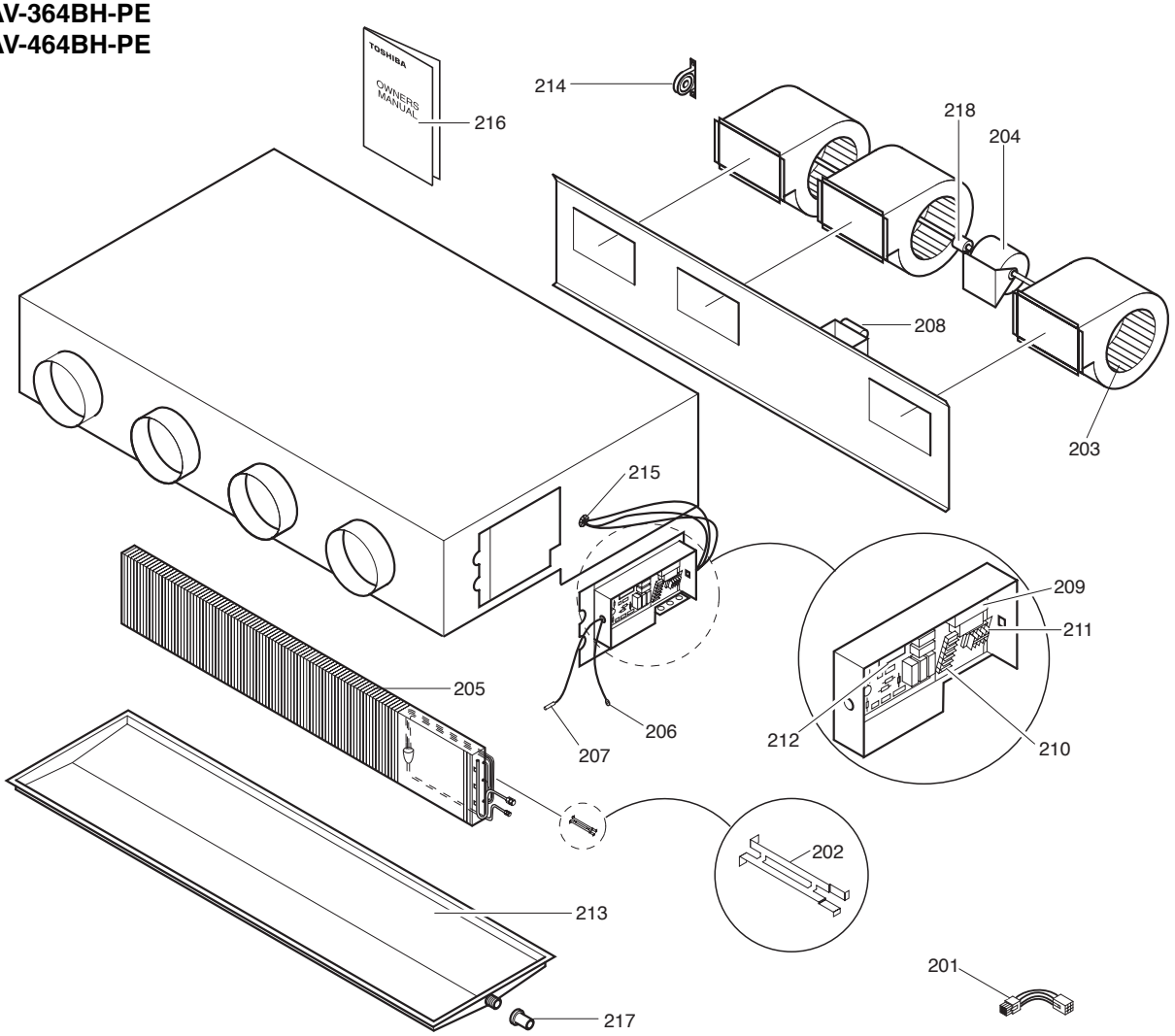
The prescribed amount of the replenishment of the refrigerant is shown in the table below:

MODEL (RAV-)	Additional amount of refrigerant to add at installation site (kg)±50g							Recharge amount if unit is reclaimed (kg)±50g							
	Less than 20m	Less than 25m	Less than 30m	Less than 35m	Less than 40m	Less than 45m	Less than 50m	Less than 5m	Less than 20m	Less than 25m	Less than 30m	Less than 35m	Less than 40m	Less than 45m	Less than 50m
134AH-PE	Filled at Factory	0.18	0.35	—	—	—	—	0.79	1.05	1.23	1.4	—	—	—	—
164AH-PE		0.18	0.35	—	—	—	—	0.94	1.2	1.38	1.55	—	—	—	—
264AH/AH8-PE		0.18	0.35	—	—	—	—	1.64	1.9	2.08	2.25	—	—	—	—
364AH8-PE		0.18	0.35	0.53	0.7	0.88	1.05	2.44	2.7	2.88	3.05	3.23	3.4	3.58	3.75
464AH8-PE		0.25	0.5	0.75	1.0	1.25	1.5	3.13	3.5	3.75	4.0	4.25	4.5	4.75	5.0
134A-PE		0.18	0.35	—	—	—	—	0.79	1.05	1.23	1.4	—	—	—	—
164A-PE		0.18	0.35	—	—	—	—	0.94	1.2	1.38	1.55	—	—	—	—
264A/A8-PE		0.18	0.35	—	—	—	—	1.64	1.9	2.08	2.25	—	—	—	—
364A8-PE		0.18	0.35	0.53	0.7	0.88	1.05	2.44	2.7	2.88	3.05	3.23	3.4	3.58	3.75
464A8-PE		0.25	0.5	0.75	1.0	1.25	1.5	3.13	3.5	3.75	4.0	4.25	4.5	4.75	5.0

! **ADD ONLY R407C REFRIGERANT TO THESE UNITS**

7.1 Indoor Unit

RAV-164BH-PE
RAV-264BH-PE
RAV-364BH-PE
RAV-464BH-PE

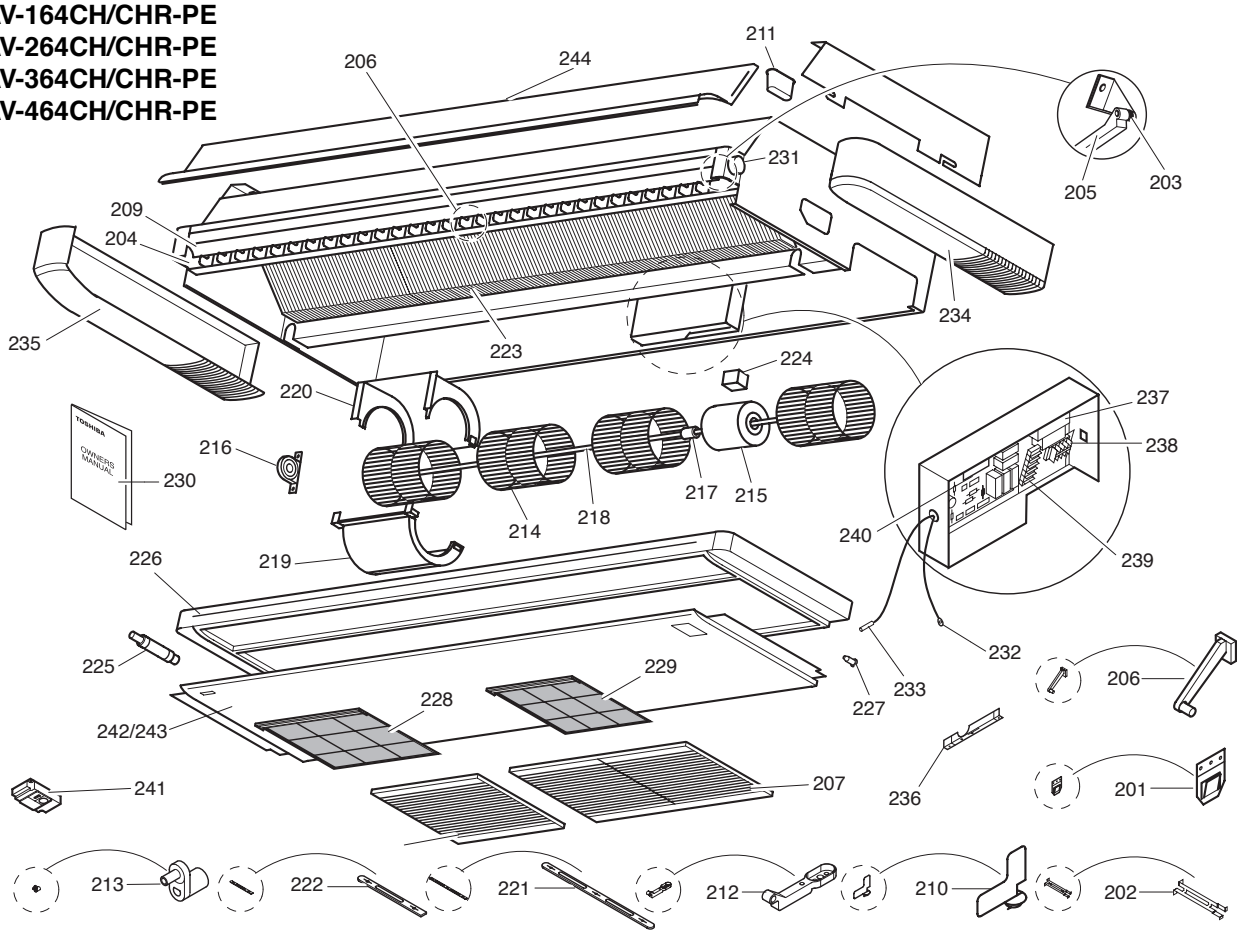


Ref No.	Part No.	Description	Model
201	43160394	Connector-9P	All
202	43107215	Sensor Holder	All
203	43120149	Fan-Multi Blade	All
204	43A21009	Fan Motor SMF-230-60-4A	RAV-164BH-PE
204	43121516	Fan Motor STF-200-100-4B	RAV-264BH-PE
204	43121528	Fan Motor STF-200-120-4B	RAV-364BH-PE
204	43121535	Fan Motor STF-200-140-4F	RAV-464BH-PE
205	43A44031	Refrigeration Asm	RAV-164BH-PE
205	43A44032	Refrigeration Asm	RAV-264BH-PE
205	43A44039	Refrigeration Asm	RAV-364BH-PE
205	43A44040	Refrigeration Asm	RAV-464BH-PE
206	43A50003	Sensor-Room Temp	All
207	43A50004	Sensor-H/Exchanger	All
208	43155080	MF Capacitor 4μF 400V	RAV-164BH-PE

Ref No.	Part No.	Description	Model
208	43155096	MF Capacitor 5μF 400V	RAV-264/364BH-PE
208	43155097	MF Capacitor 10μF 400V	RAV-464BH-PE
209	43A58004	Transformer – AI	All
210	43A60010	Terminal Block – 'ABCXY'	All
211	43A60001	Terminal Block – '123'	All
212	43A69010	PC Board – AI	All
213	43A72004	Drain Pan Assembly	RAV-164BH-PE
213	43A72005	Drain Pan Assembly	RAV-264BH-PE
213	43191310	Drain Pan Assembly	RAV-364/464BH-PE
214	43125135	Bearing	RAV-464BH-PE
215	43A60009	Bushing	All
216	43A88011	Owners Manual	All
217	43A70002	Drain Socket	All
218	43125137	Coupling	RAV-464BH-PE

7.2 Indoor Unit

RAV-134CH/CHR-PE
RAV-164CH/CHR-PE
RAV-264CH/CHR-PE
RAV-364CH/CHR-PE
RAV-464CH/CHR-PE

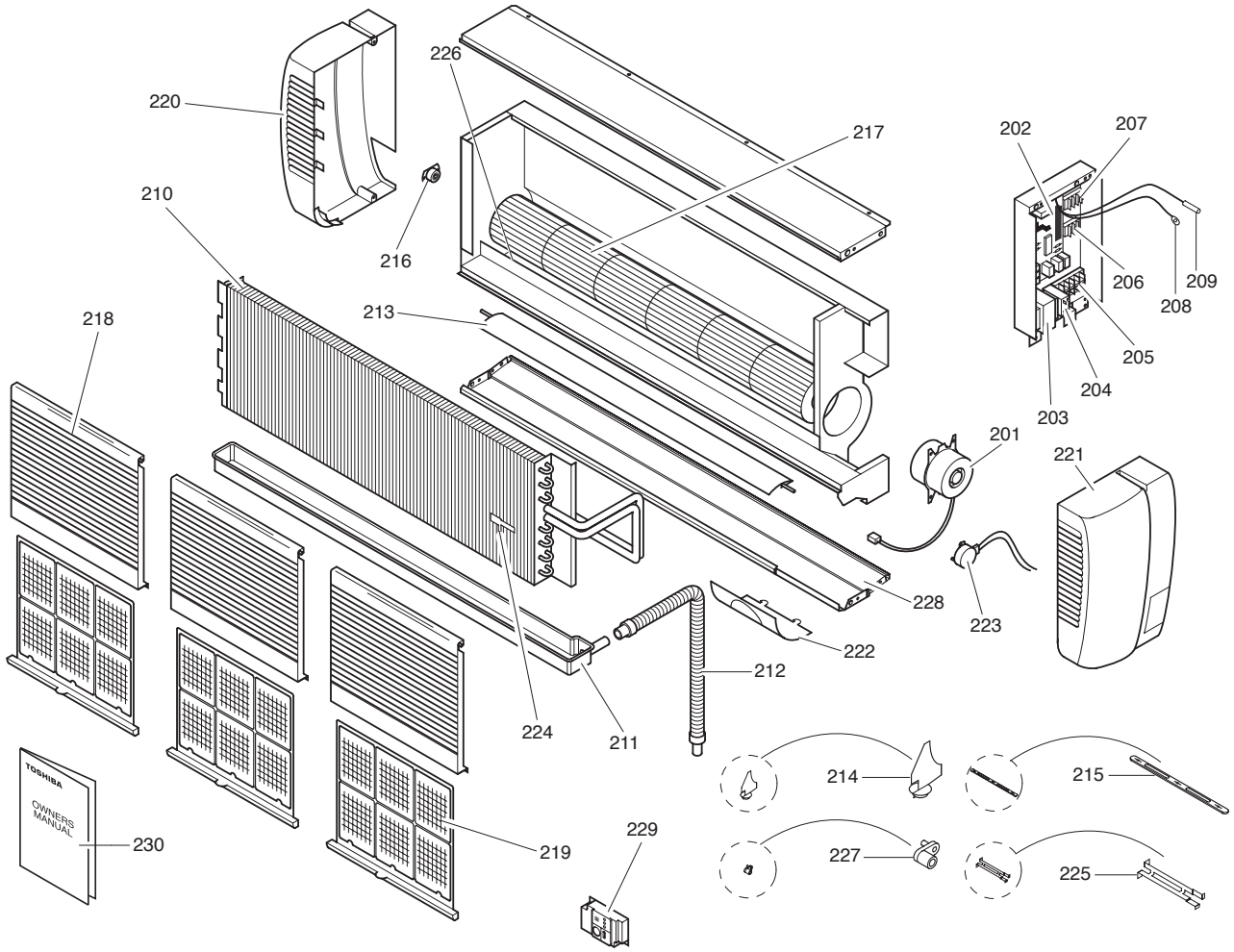


Ref No.	Part No.	Description	Model
201	43107214	Hinge	All
202	43107215	Sensor Holder	All
203	43107216	Spring	All
204	43107223	Grille Shaft – Left	All
205	43107222	Grille Shaft – Right	All
206	43107224	Grille Support – Centre	RAV-364/464CH/CHR
207	43109321	Inlet Grille – Large	264/364/464CH/CHR
208	43109322	Inlet Grille – Small	134/164/264/364CH/CHR
209	43109324	Horizontal Grille	RAV-134/164CH/CHR
209	43109320	Horizontal Grille	RAV-264CH/CHR-PE
209	43109327	Horizontal Grille	RAV-364CH/CHR
209	43109328	Horizontal Grille	RAV-464CH/CHR
210	43109329	Vertical Grille	All
211	43119373	Bolt Cover	All
212	43119393	Shaft Holder	All
213	43119394	Lever	All
214	43120172	Fan – Multi Blade	134/164/264CH/CHR
214	43120174	Fan – Multi Blade	364/464CH/CHR
215	43A21013	Fan Motor	RAV-134CH/CHR
215	43A21005	Fan Motor	RAV-164/264CH/CHR
215	43A21007	Fan Motor	RAV-364CH/CHR
215	43A21006	Fan Motor	RAV-464CH/CHR
216	43125131	Bearing	164/264/364/464CH/CHR
217	43125142	Coupling	164/264/364/464CH/CHR
218	43125143	Shaft SS	RAV-164CH/CHR
218	43125141	Shaft SS	RAV-264CH/CHR
218	43125145	Shaft SS	RAV-364CH/CHR
218	43125144	Shaft SS	RAV-464CH/CHR
219	43126127	Fan Case – Lower	134/164/264CH/CHR
219	43126129	Fan Case – Lower	364/464CH/CHR
220	43126128	Fan Case – Upper	134/164/264CH/CHR
220	43126130	Fan Case – Upper	364/464CH/CHR
221	43A39004	Connect Bar	All
222	43A39005	Connect Bar	264/464CH/CHR
223	43A44037	Refrigeration Assembly	RAV-134CH/CHR
223	43A44038	Refrigeration Assembly	RAV-164CH/CHR
223	43A44054	Refrigeration Assembly	RAV-264CH/CHR
223	43A44030	Refrigeration Assembly	RAV-364CH/CHR

Ref No.	Part No.	Description	Model
223	43A44029	Refrigeration Assembly	RAV-464CH/CHR
224	43155101	MF Capacitor	RAV-134CH/CHR
224	43155138	MF Capacitor	RAV-164/264CH/CHR
224	43A55001	MF Capacitor	RAV-364CH/CHR
224	43155080	MF Capacitor	RAV-464CH/CHR
225	43A70007	Hose Assembly	All
226	43172121	Drain Pan Assembly	RAV-134/164CH/CHR
226	43172119	Drain Pan Assembly	RAV-264CH/CHR
226	43172122	Drain Pan Assembly	RAV-364CH/CHR
226	43172123	Drain Pan Assembly	RAV-464CH/CHR
227	43179107	Plug	All
228	43180284	Air Filter – Large	134/164/264CH/CHR
229	43180283	Air Filter – Small	264/364/464CH/CHR
230	43A88011	Owners Manual	All
231	43A21008	Geared Motor	All
232	43A50005	Sensor – Room Temp.(TA)	All
233	43A50004	Sensor – H/Exchanger (TC)	All
234	43102624	Side Panel Right Assmb.	All
235	43102625	Side Panel Left Assmb.	All
236	43117812	Plate H	All
237	43A58004	Transformer – AI	All
238	43A60001	Terminal Block 123	All
239	43A60010	Terminal Block ABC XY	All
240	43A69010	PC Board (AI)	All
241	43A69012	Infra-Red Receiver	All
242	43A91001	Under Panel	RAV-134/164CH
242	43A91002	Under Panel	RAV-264CH
242	43A91003	Under Panel	RAV-364CH
242	43A91004	Under Panel	RAV-464CH
243	43A91040	Under Panel (Remote)	RAV-134/164CHR
243	43A91041	Under Panel (Remote)	RAV-264CHR
243	43A91042	Under Panel (Remote)	RAV-364CHR
243	43A91043	Under Panel (Remote)	RAV-464CHR
244	43A91005	Upper Panel Asm	RAV-134/164CH/CHR
244	43A91006	Upper Panel Asm	RAV-264CH/CHR
244	43A91007	Upper Panel Asm	RAV-364CH/CHR
244	43A91008	Upper Panel Asm	RAV-464CH/CHR

7.3 Indoor Unit

RAV134KH/KHR-PE
RAV164KH/KHR-PE
RAV264KH/KHR-PE

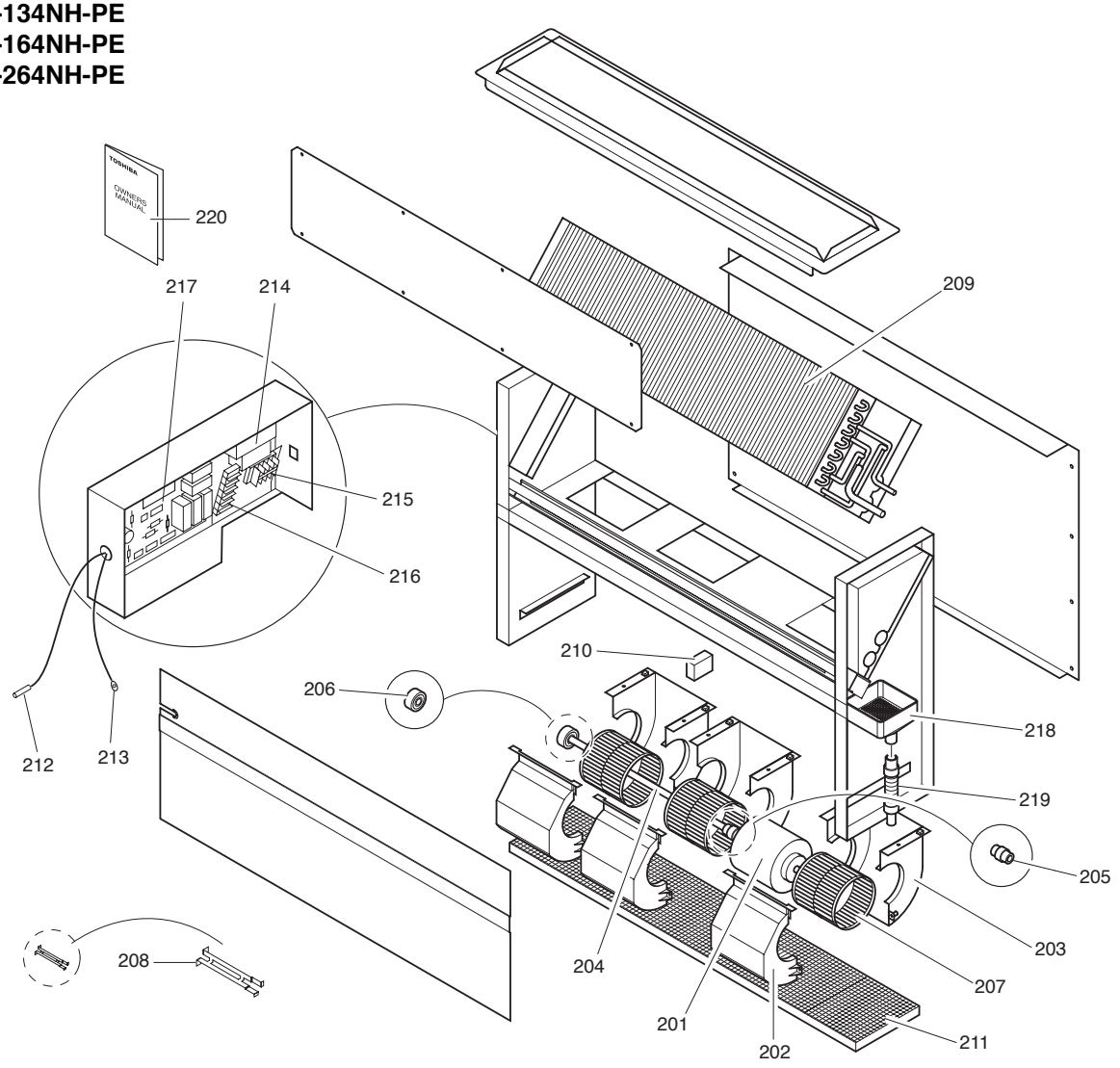


Ref No.	Part No.	Description	Model
201	43A21016	Fan – Motor	RAV-134/164KH/KHR-PE
201	43A21017	Fan – Motor	RAV-264KH/KHR-PE
202	43A69010	PC Board – (AI)	All
203	43A58004	Transformer – (AI)	All
204	43155100	Capacitor	RAV-134KH/KHR-PE
204	43155101	Capacitor	RAV-164KH/KHR-PE
204	43A55002	Capacitor	RAV-264KH/KHR-PE
205	43A60001	Terminal 123	All
206	43A60011	Terminal XY	All
207	43A60002	Terminal ABC	All
208	43A50008	Sensor – Room Temperature TA	All
209	43A50009	Sensor – Heat Exchanger TC	All
210	43A44049	Refrigeration ASM	RAV-134KH/KHR-PE
210	43A44050	Refrigeration ASM	RAV-164KH/KHR-PE
210	43A44051	Refrigeration ASM	RAV-264KH/KHR-PE
211	43172112	Drain Pan	RAV-134/164KH/KHR-PE
211	43172114	Drain Pan	RAV-264KH/KHR-PE
212	43170182	Drain Hose	All
213	43A09005	H-Grille	RAV-134/164KH/KHR-PE
213	43A09006	H-Grille	RAV-264KH/KHR-PE
214	43A09003	V-Grille	All

Ref No.	Part No.	Description	Model
215	43A39004	Connection Bar	All
216	43022189	Bearing	All
217	43120135	Cross Flow Fan	RAV-134/164KH/KHR-PE
217	43120136	Cross Flow Fan	RAV-264KH/KHR-PE
218	43A09004	Inlet Grille	All
219	43A80008	Air Filter	All
220	43A00001	Side Cabinet – Left	All
221	43A00002	Side Cabinet – Right	All
222	43A00003	Control Panel	KH models only
222	43A01005	Control Panel - Remote	KHR models only
223	43121533	Geared Motor	All
224	43A19002	Sensor Holder, TA	All
225	43107215	Sensor Holder, TC	All
226	43122028	Fan Nose	RAV-134/164KH/KHR-PE
226	43122029	Fan Nose	RAV-264KH/KHR-PE
227	43119394	Lever	All
228	43A91050	D Cabi – Assembly	RAV-134/164KH/KHR-PE
228	43A91051	D Cabi – Assembly	RAV-264KH/KHR-PE
229	43A69012	Infra Red Receiver – (AI)	KHR models only
230	43A88011	Owner's Manual	All

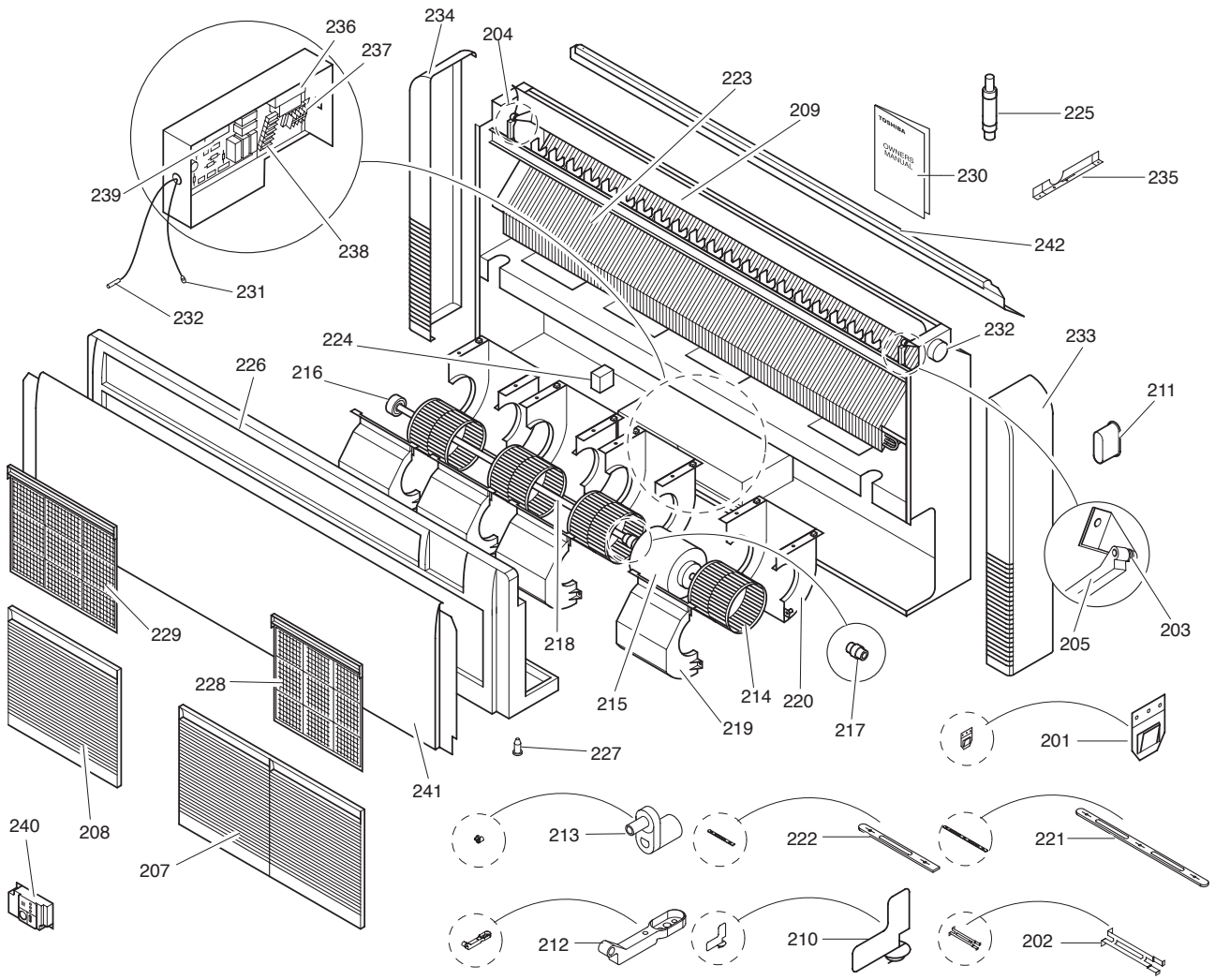
7.4 Indoor Unit

RAV-104NH-PE
RAV-134NH-PE
RAV-164NH-PE
RAV-264NH-PE



Ref No.	Part No.	Description	Model
201	43A21013	Fan Motor	RAV-104/134NH-PE
201	43A21004	Fan Motor	RAV-164NH-PE
201	43A21020	Fan Motor	RAV-264NH-PE
202	43126127	Fan Case Lower	RAV-104/134/164NH-PE
202	43126129	Fan Case Lower	RAV-264NH-PE
203	43126128	Fan Case Upper	RAV-104/134/164NH-PE
203	43126130	Fan Case Upper	RAV-264NH-PE
204	43125143	SS Shaft	RAV-164NH-PE
205	43125142	Coupling	RAV-164NH-PE
206	43125131	Bearing	RAV-164NH-PE
207	43120172	Multi Blade Fan	RAV-104/134/164NH-PE
207	43120174	Multi Blade Fan	RAV-264NH-PE
208	43107215	Sensor Holder	All
209	43A44045	Refrigeration Assembly	RAV-104NH-PE
209	43A44046	Refrigeration Assembly	RAV-134NH-PE
209	43A44047	Refrigeration Assembly	RAV-164NH-PE
209	43A44048	Refrigeration Assembly	RAV-264NH-PE
210	43155101	MF Capacitor	RAV-104NH-PE
210	43A55002	MF Capacitor	RAV-134NH-PE
210	43155138	MF Capacitor	RAV-164NH-PE
210	43155101	MF Capacitor	RAV-264NH-PE
211	43A80006	Filter	RAV-104NH-PE
211	43A80007	Filter	RAV-134/164/264NH-PE
212	43A50004	Sensor – Heat Exchanger TC	All
213	43A50003	Sensor – Room Temp TA	All
214	43A58004	Transformer – (AI)	All
215	43A60001	Terminal Block 123	All
216	43A60010	Terminal Block ABCXY	All
217	43A69010	PC Board – (AI)	All
218	43A70004	Drain Catch Assembly	All
219	43170197	Drain Hose	All
220	43A88011	Owner's Manual	All

7.5 Indoor Unit
RAV-164SH/SHR-PE
RAV-264SH/SHR-PE

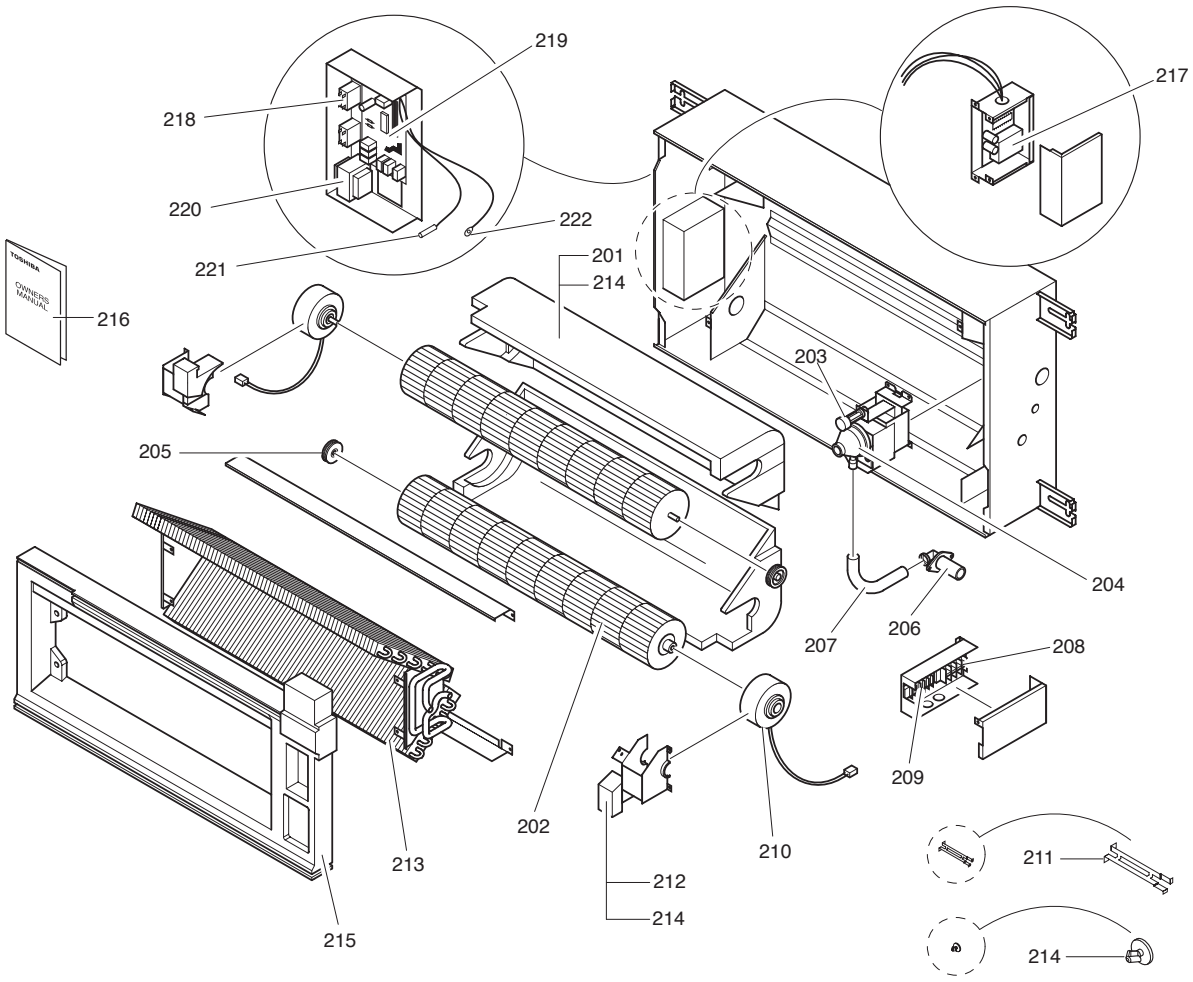


Ref No.	Part No.	Description	Model
201	43107214	Hinge	All
202	43107215	Sensor Holder	All
203	43107216	Spring	All
204	43107223	Grille Shaft Left	All
205	43107222	Grille Shaft Right	All
207	43109321	Inlet Grille Large	RAV-264SH/SHR-PE
208	43109322	Inlet Grille Small	All
209	43109324	Louvre	RAV-464SH/SHR-PE
209	43109320	Louvre	RAV-264SH/SHR-PE
210	43109329	Vertical Grille	All
211	43119373	Bolt Cover	All
212	43119393	Shaft Holder	All
213	43119394	Lever	All
214	43120172	Fan, Multi Blade	All
215	43A21005	Fan Motor	All
216	43125131	Bearing	RAV-264SH/SHR-PE
217	43125142	Coupling	RAV-264SH/SHR-PE
218	43125143	Shaft SS	RAV-164SH/SHR-PE
218	43125141	Shaft SS	RAV-264SH/SHR-PE
219	43126127	Fan Case Lower	All
220	43126128	Fan Case Upper	All
221	43A39004	Connect Bar	All
222	43A39005	Connect Bar	RAV-264SH/SHR-PE
223	43A44052	Refrigeration Assembly	RAV-164SH/SHR-PE
223	43A44053	Refrigeration Assembly	RAV-264SH/SHR-PE

Ref No.	Part No.	Description	Model
224	43155101	MF Capacitor	RAV-164SH/SHR-PE
224	43155138	MF Capacitor	RAV-264SH/SHR-PE
225	43A70007	Hose Assembly	All
226	43A72002	Drain Pan Assembly	RAV-164SH/SHR-PE
226	43A72003	Drain Pan Assembly	RAV-264SH/SHR-PE
227	43179107	Plug	All
228	43180283	Air Filter Small	RAV-264SH/SHR-PE
229	43180284	Air Filter Large	RAV-164SH/SHR-PE
230	43A88011	Owner's Manual	All
231	43A50005	Sensor – room temperature	All
232	43A50004	Sensor – heat exchanger (TC)	All
233	43102624	Side Panel Assm – right	All
234	43102625	Side Panel Assm – left	All
235	43117812	Plate H	All
236	43A58004	Transformer – (AI)	All
237	43A60001	Terminal Block – 123	All
238	43A60010	Terminal Block – ABCXY	All
239	43A69010	PC Board – (AI)	All
240	43A69012	Infra-red Receiver – (AI)	RAV-164/264SH/SHR-PE
241	43A91046	Underpanel	RAV-164SH-PE
241	43A91044	Underpanel – (remote)	RAV-164SHR-PE
241	43A91047	Underpanel	RAV-264SH-PE
241	43A91045	Underpanel – (remote)	RAV-264SHR-PE
242	43A91052	Upper panel	RAV-164SH/SHR-PE
242	43A91053	Upper panel	RAV-264SH/SHR-PE

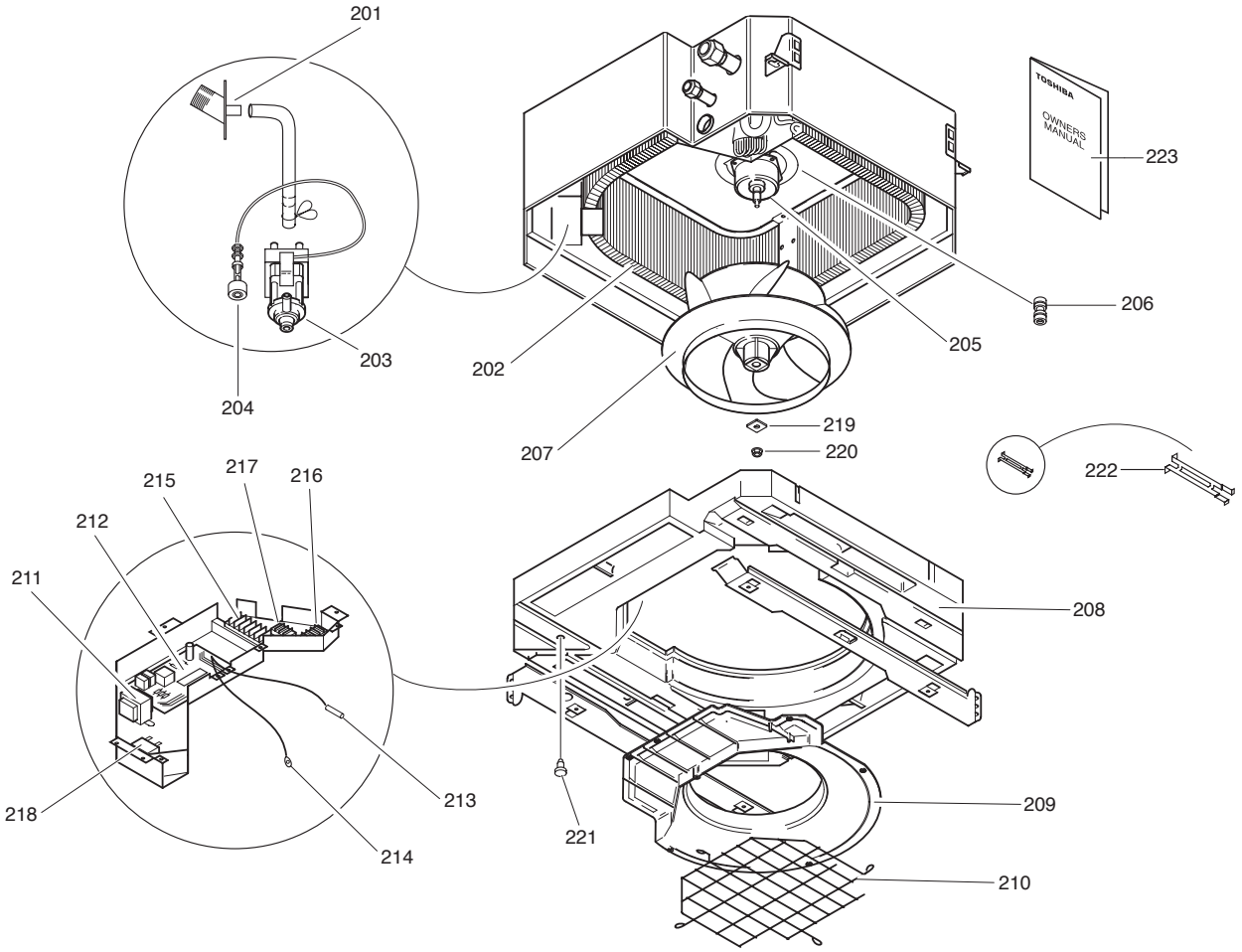
7.6 Indoor Unit

RAV-104TUH-PE
RAV-134TUH-PE
RAV-164TUH-PE



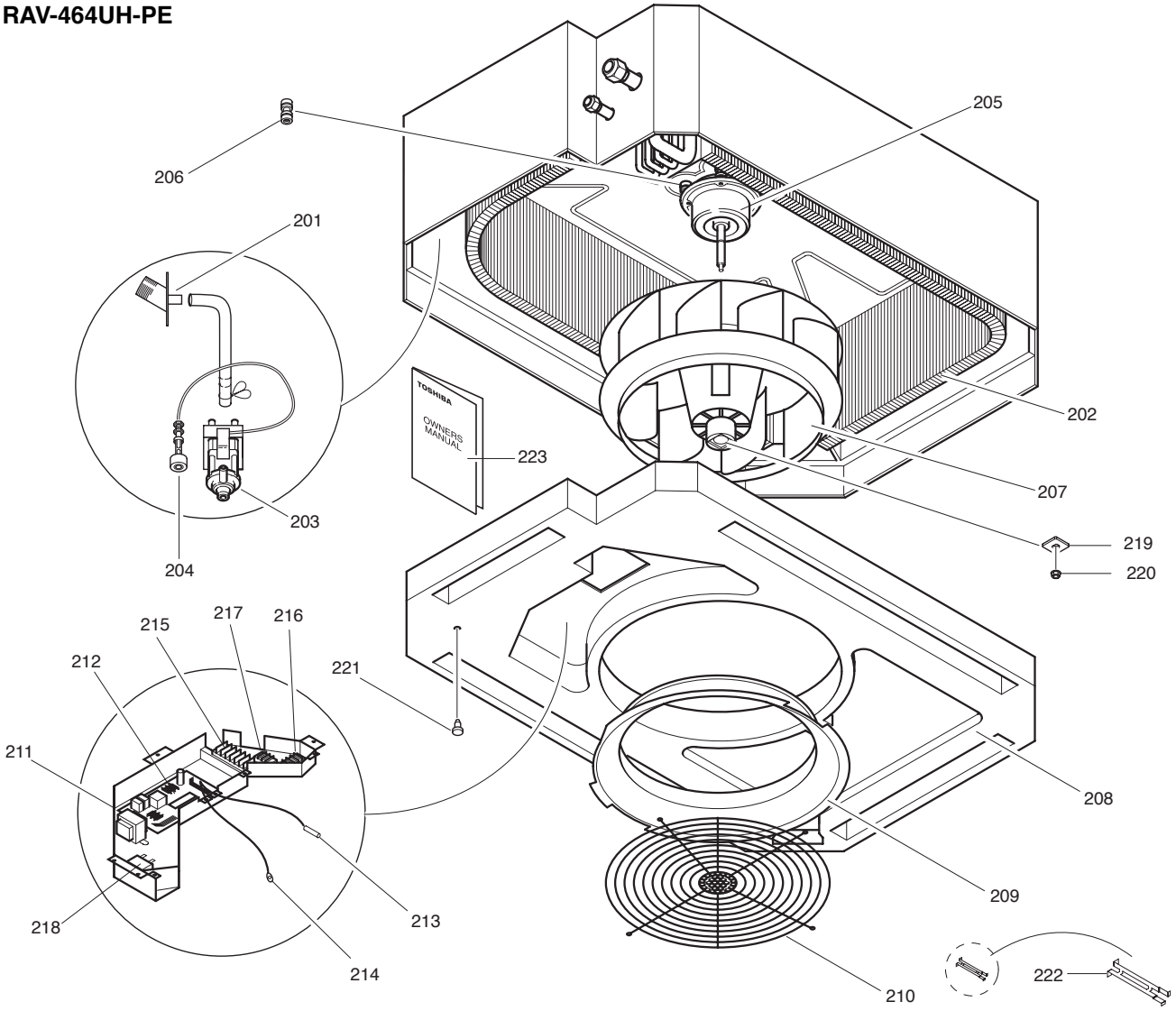
Ref No.	Part No.	Description	Model
201	43A22001	Casing Assembly	All
202	43020288	Fan	All
203	43151217	Float Switch	All
204	43A70003	Pump Assembly	All
205	43020253	Bearing	All
206	43071019	Drain Connection	All
207	43070164	Drain Hose	All
208	43A60010	Terminal ABC XY	All
209	43A60001	Terminal 123	All
210	43A21014	Fan Motor	All
211	43A50006	Sensor Holder	All
212	43A22002	Casing Outlet	All
213	43A44042	Heat Exchanger	RAV-104TUH-PE
213	43A44043	Heat Exchanger	RAV-134TUH-PE
213	43A44044	Heat Exchanger	RAV-164TUH-PE
214	43039240	Canoe Clip	All
215	43A72001	Drain Pan	All
216	43A88011	Owner's Manual	All
217	43A69008	Interface PC Board	All
218	37555721	Capacitor, Metal Film	RAV-104TUH-PE
218	43155100	Capacitor, Metal Film	RAV-134/164TUH-PE
219	43A69010	PC Board - (AI)	All
220	43A58004	Transformer - (AI)	All
221	43A50004	Sensor - Heat Exchanger (TC)	All
222	43A50008	Sensor - Room Temperature (TA)	All

7.7 Indoor Unit
RAV-164UH-PE
RAV-264UH-PE



Ref No.	Part No.	Description	Model
201	43A70005	Drain Hose Assembly	All
202	43A44033	Refrigeration Assembly	RAV-164UH-PE
202	43A44034	Refrigeration Assembly	RAV-264UH-PE
203	43A70006	Drain Pump	All
204	43A51002	Float Switch	All
205	43A21018	Fan Motor	All
206	43A11004	Rubber Insulation	All
207	43A20001	Centrifugal Fan	All
208	43A72006	Drain Pan Assembly	All
209	43A22003	Bellmouth	All
210	43A19004	Fan Guard	All
211	43A58004	Transformer (AI)	All
212	43A69010	PC Board (AI)	All
213	43A50007	Sensor - Heat Exchanger (TC)	All
214	43A50005	Sensor - Room Temp. (TA)	All
215	43A60001	Terminal 123	All
216	43A60002	Terminal ABC	All
217	43A60011	Terminal X,Y	All
218	43155100	MF Capacitor	RAV-164UH-PE
218	43A55002	MF Capacitor	RAV-264UH-PE
219	43097166	Washer	All
220	43A97002	Fan Washer	All
221	43A72008	Plug	All
222	43107215	Sensor Holder	All
223	43A88011	Owner's Manual	All

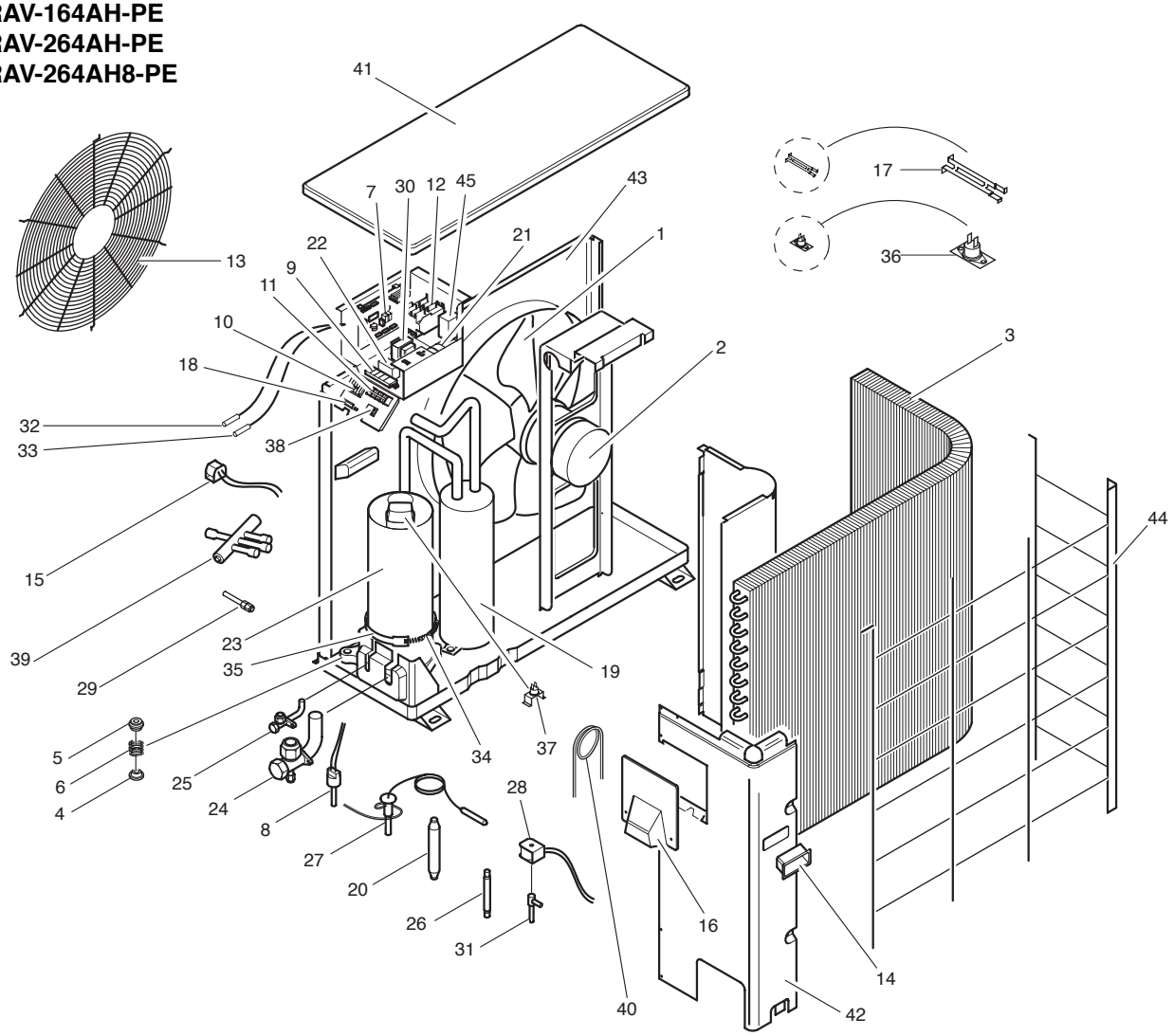
7.8 Indoor Unit
RAV-364UH-PE
RAV-464UH-PE



Ref No.	Part No.	Description	Model
201	43A70005	Drain Hose Assembly	RAV-364/464UH-PE
202	43A44035	Refrigeration Assembly	RAV-364UH-PE
202	43A44036	Refrigeration Assembly	RAV-464UH-PE
203	43A70006	Drain Pump	RAV-364/464UH-PE
204	43A51002	Float Switch	RAV-364/464UH-PE
205	43A21019	Fan Motor	RAV-364/464UH-PE
206	43A11005	Rubber Insulation	RAV-364/464UH-PE
207	43A20002	Centrifugal Fan	RAV-364/464UH-PE
208	43A72007	Drain Pan Assembly	RAV-364/464UH-PE
209	43A22004	Bellmouth	RAV-364/464UH-PE
210	43A19005	Fan Guard	RAV-364/464UH-PE
211	43A58004	Transformer (AI)	RAV-364/464UH-PE
212	43A69010	PC Board (AI)	RAV-364/464UH-PE
213	43A50007	Sensor - Heat Exchanger	RAV-364/464UH-PE
214	43A50005	Sensor - Room Temp.	RAV-364/464UH-PE
215	43A60001	Terminal 123	RAV-364/464UH-PE
216	43A60002	Terminal ABC	RAV-364/464UH-PE
217	43A60011	Terminal X,Y	RAV-364/464UH-PE
218	43155138	MF Capacitor	RAV-364UH-PE
218	43155120	MF Capacitor	RAV-464UH-PE
219	43097166	Washer	RAV-364/464UH-PE
220	43A97002	Fan Washer	RAV-364/464UH-PE
221	43A72008	Plug	RAV-364/464UH-PE
222	43107215	Sensor Holder	RAV-364/464UH-PE
223	43A88011	Owner's Manual	RAV-364/464UH-PE

7.9 Outdoor Unit

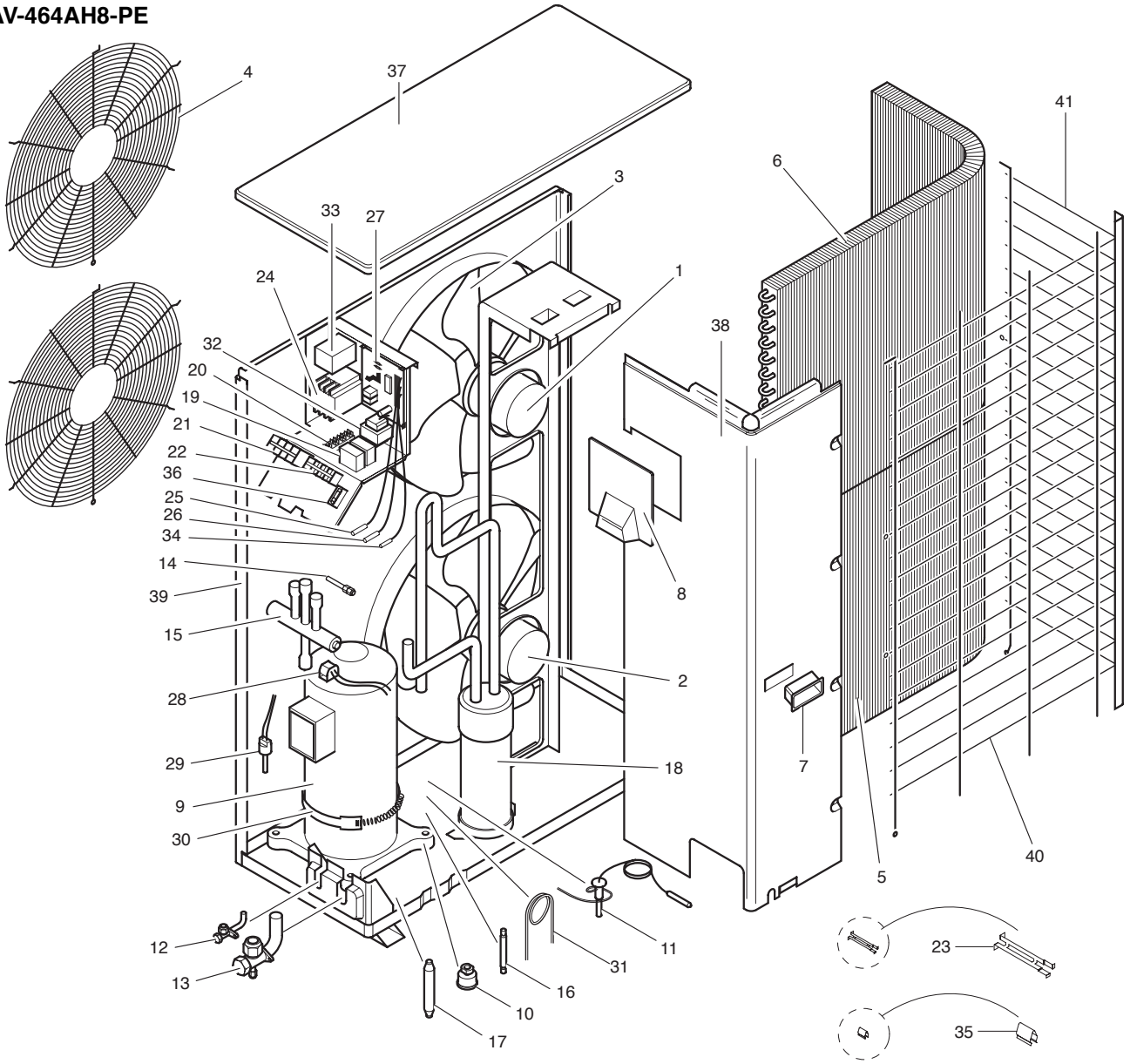
RAV-134AH-PE
RAV-164AH-PE
RAV-264AH-PE
RAV-264AH8-PE



Ref No.	Part No.	Description	Model
1	43120156	Propeller Fan	All
2	43A21003	Fan Motor	RAV-134/164AH-PE
2	43A21002	Fan Motor	RAV-264AH/AH8-PE
3	43A43016	Condenser	RAV-134/164AH-PE
3	43A43017	Condenser	RAV-264/AH/AH8-PE
4	43049132	Base Spring, B	All
5	43149212	Base Spring, A	All
6	43149198	Spring Buffer	All
7	43A69011	PC Board	All
8	43A49001	High Pressure Switch	All
9	43060479	Terminal Block, 4P	All
10	43A60003	Terminal Block, 2P	RAV-134/164AH-PE
10	43A60004	Terminal Block, 2P	RAV-264AH-PE
10	43A60005	Terminal Block, 4P	RAV-264AH8-PE
11	43A60001	Terminal Block, 4P	All
12	43152334	Magnetic Contactor	RAV-134/164/264AH-PE
12	43152345	Magnetic Contactor	RAV-264AH8-PE
13	43A19001	Fan Guard	All
14	43119368	Hanger	All
15	43A46004	Solenoid Coil	All
16	43162027	Cover, Electrical Parts	All
17	43107215	Sensor Holder	All
18	43A63001	Cord Clamp	All
19	43148105	Accumulator	RAV-134/164AH-PE
19	43148114	Accumulator	RAV-264AH/AH8-PE
20	43A45004	Dryer	All
21	43155115	MF Capacitor – Compressor	RAV-134/164AH-PE
21	43055379	MF Capacitor – Compressor	RAV-264AH-PE
22	43155080	MF Capacitor – Fan	All
23	43A41506	Comp – PG330X3F-4LS	RAV-134AH-PE
23	43A41507	Comp – PG350X3F-4LS	RAV-164AH-PE

Ref No.	Part No.	Description	Model
23	43A41508	Comp – PG460X3F-4MS	RAV-264AH-PE
23	43A41509	Comp – YG460X3F-MS	RAV-264AH8-PE
24	43A46013	Packed Valve (6.35mm)	RAV-134/164AH-PE
24	43146415	Packed Valve (9.5mm)	RAV-264AH/AH8-PE
25	43146406	Packed Valve (12.7mm)	RAV-134/164AH-PE
25	43146417	Packed Valve (15.9mm)	RAV-264AH/AH8-PE
26	43A46015	Check joint	All
27	43A46014	Expansion Valve	RAV-134/164AH-PE
27	43A46017	Expansion Valve	RAV-264AH/AH8-PE
28	43A46016	Coil, 2-Way Valve	All
29	43146283	Check Valve	All
30	43A58003	Transformer Power	All
31	43046151	2-Way Valve	All
32	43A50001	Sensor – Heat Exchanger (TL)	All
33	43A19001	Sensor – Heat Exchanger (TC)	All
34	43193063	Spring	All
35	43157167	Heater, Crankcase	All
36	43150122	Thermostat, Bi-metal	All
37	43050277	Thermostat, Bi-metal (comp)	RAV-264AH8-PE
38	43A60006	Fuse T5A	All
39	43146418	4-Way Valve	All
40	43A47037	Capi Form	RAV-134/164AH-PE
40	43A47036	Capi Form	RAV-264AH/AH8-PE
41	43A91016	ASM Roof Plate	All
42	43A91019	ASM Side Cabinet	RAV-134/164AH-PE
42	43A91022	ASM Side Cabinet	RAV-264AH/AH8-PE
43	43A91017	ASM Air-Out Cabinet	RAV-134/164AH-PE
43	43A91018	ASM Air-Out Cabinet	RAV-264AH/AH8-PE
44	43A91023	Fin-Guard	RAV-134/164AH-PE
44	43A91024	Fin-Guard	RAV-264AH/AH8-PE
45	43154148	Reverse Phase Protector	RAV-264AH8-PE

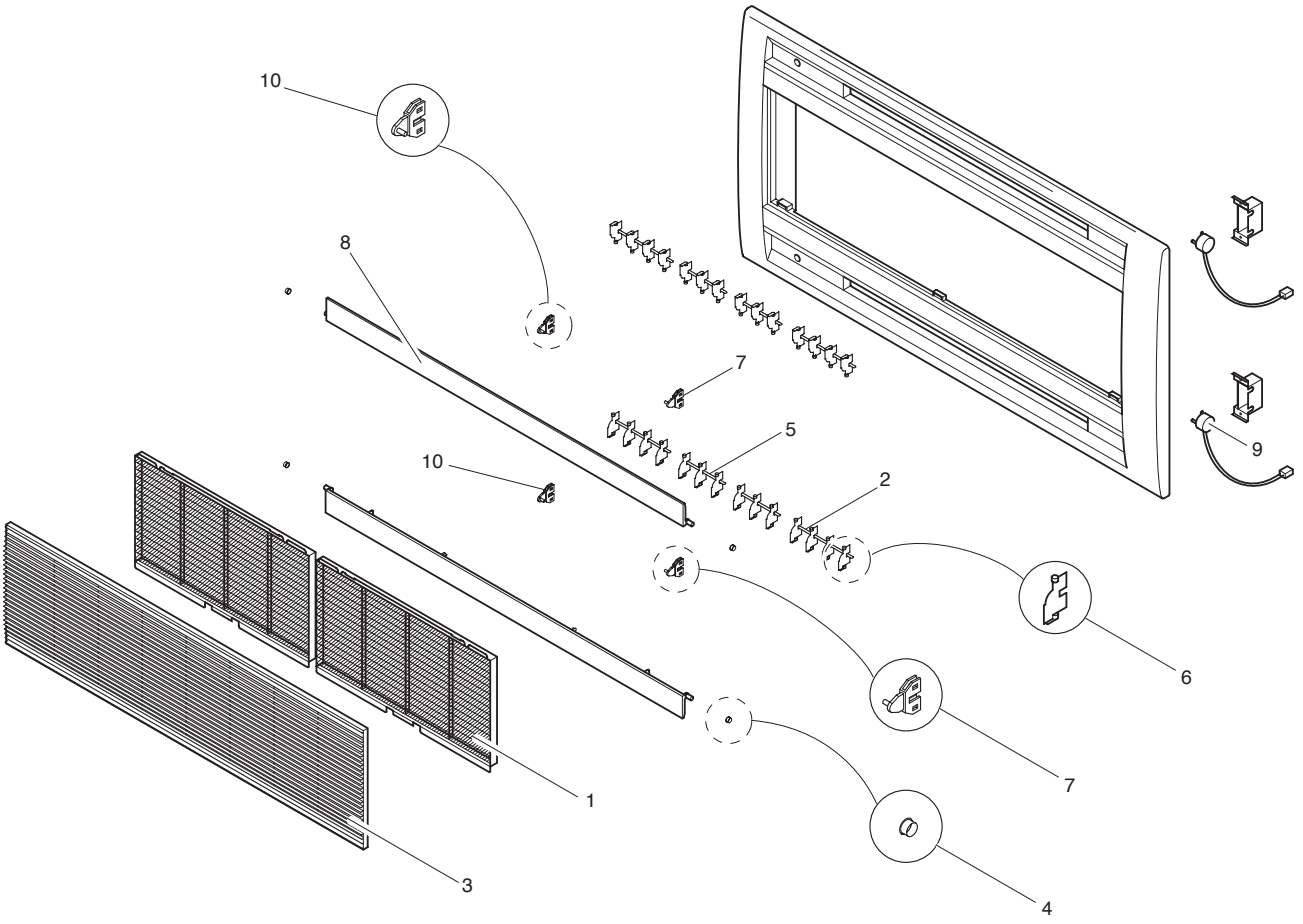
7.10 Outdoor Unit
RAV-364AH8-PE
RAV-464AH8-PE



Ref No.	Part No.	Description	Model
1	43A21002	Fan Motor AC230V, 50Hz 63W	All
2	43A21003	Fan Motor AC230V, 50Hz 39W	All
3	43120156	Propeller Fan	All
4	43A19001	Fan Guard	All
5	43A43012	Condenser Lower	RAV-464AH8-PE
5	43A43014	Condenser Lower	RAV-364AH8-PE
6	43A43013	Condenser Upper	RAV-464AH8-PE
6	43A43015	Condenser Upper	RAV-364AH8-PE
7	43119368	Hanger, Plastic	All
8	43162027	Cover, Electrical Parts	All
9	43A41503	Compressor, ZR61KCE-TFD-230	RAV-464AH8-PE
9	43A41502	Compressor,ZR49KCE-TFD-230	RAV-364AH8-PE
10	43A42001	Compressor Boot	All
11	43A46008	Expansion Valve, BGX-2330 3.65DPS	RAV-464AH8-PE
11	43A46009	Expansion Valve, BGX-2330 3.5DPS	RAV-364AH8-PE
12	43146415	Packed Valve, (9.5mm)	All
13	43146416	Packed Valve, (19mm)	All
14	43147321	Check Joint	All
15	43146499	4-Way-Valve, CHV-0401	RAV-464AH8-PE
15	43146498	4-Way-Valve, CHV-0301	RAV-364AH8-PE
16	43146283	Check Valve, YCV5-3S-TF	All
17	43A45001	Dryer, XH10	RAV-464AH8-PE
17	43A45002	Dryer, XH10	RAV-364AH8-PE
18	43148114	Accumulator, 2.5Ltr	RAV-464AH8-PE
18	43148105	Accumulator, 1.6Ltr	RAV-364AH8-PE
19	43155080	Capacitor, Plastic Film, 4.0μF, 400V	All

Ref No.	Part No.	Description	Model
20	43060479	Terminal Block, 4P	All
21	43A60005	Terminal, 4P	All
22	43A60001	Terminal, 4P	All
23	43107215	Sensor Holder	All
24	43A53004	Magnetic Contactor, FC-2S	All
25	43150196	Sensor, Heat Exchanger T_E	All
26	43A50001	Sensor (Cond Out), T_L	All
27	43A69011	PC Board, AH-803	All
28	43A46004	Solenoid Coil, CHV-AC240V	All
29	43A49001	High Pressure Switch, ACB-2TB04W	All
30	43157167	Crankcase Heater, AC240V, 28W	All
31	43A47032	Capillary Assembly	RAV-464AH8-PE
31	43A47033	Capillary Assembly	RAV-364AH8-PE
32	43A58003	Power Transformer, FT67	All
33	43154148	Reverse Phase Protector, STR-4AD	All
34	43150261	Sensor (Delivery Pipe), T_D	All
35	43063219	Sensor Holder, T_D	All
36	43A60006	Fuse T5A	All
37	43A91027	ASM Roof Plate	All
38	43A91037	ASM Side Cabi	RAV-464AH8-PE
38	43A91029	ASM Side Cabi	RAV-364AH8-PE
39	43A91028	Air Out Cabi	All
40	43A91036	Fin Guard – Back	RAV-464AH8-PE
40	43A91031	Fin Guard – Back	RAV-364AH8-PE
41	43A91030	Fin Guard – Side	All

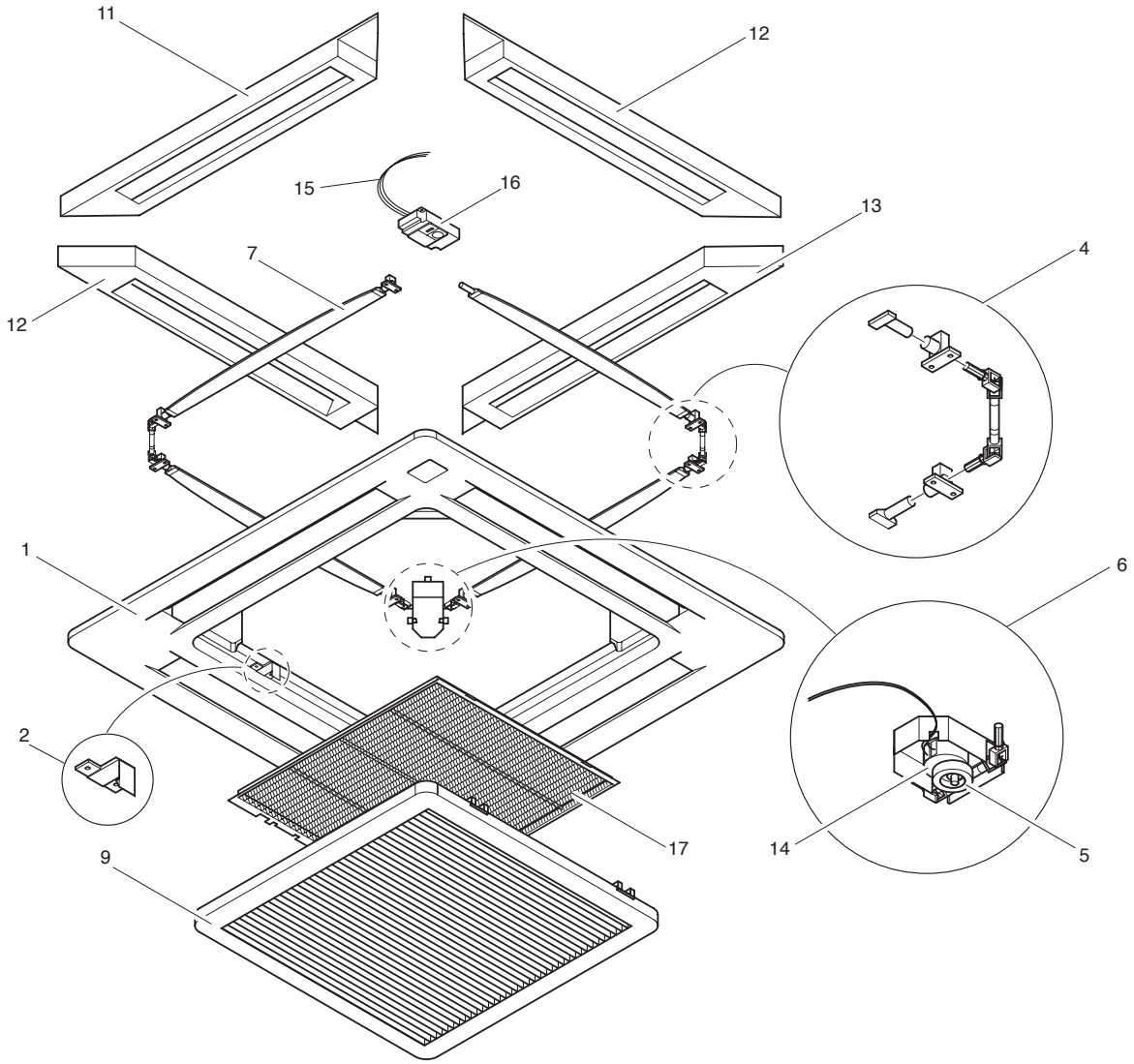
7.11 Ceiling Panel
RBC-U133PG(W)-PE



Ref No.	Part No.	Description
1	43080392	Filter
2	43007108	Plate connect (long)
3	43009504	ASM-Grille-Out
4	43007107	Bushing
5	43007109	Plate connect (short)

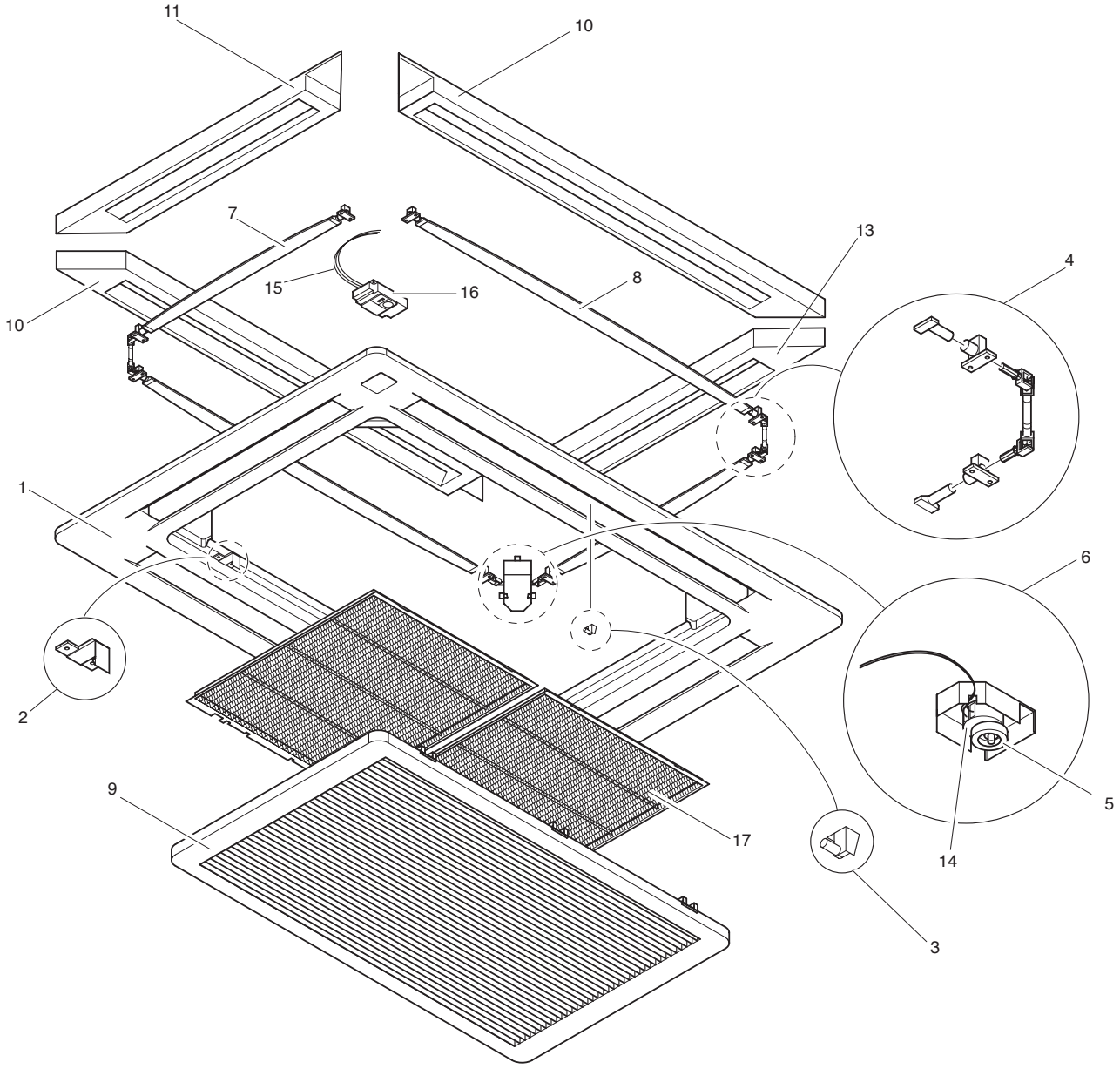
Ref No.	Part No.	Description
6	43009503	Grille-L-R
7	43007124	Support plate
8	43009499	ASM-Grille-Out
9	43A26001	ASM-Motor
10	43007125	Support plate

7.12 Ceiling Panel
RBC-U264PG(W)-E
RBC-U264PGR(W)-E



Ref No.	Part No.	Description	Model
1	43400658	Panel	RBC-U264PG(W)-E
1	43400001	Panel (Remote)	RBC-U264PGR(W)-E
2	43407072	Grille Catch	All
4	43407085	Joint Kit	All
5	43407091	Cam	All
6	43107249	Motor Kit Assembly	All
7	43409110	Louver-(Small)	All
9	43A09009	Grille – Air Inlet	All
11	43411007	Cushion Air Outlet B	All
12	43411008	Cushion Air Outlet C	All
13	43411009	Cushion Air Outlet D	All
14	43121671	Geared Motor	All
15	43460532	Cord, Remote Controller	RBC-U264PGR(W)-E
16	43A69012	Infra-Red Receiver - (AI)	RBC-U264PGR(W)-E
17	41480545	Air Filter	All

7.13 Ceiling Panel
RBC-U464PG(W)-E
RBC-U464PGR(W)-E



Ref No.	Part No.	Description	Model
1	43400662	Panel	RBC-U464PG(W)-E
1	43400003	Panel (Remote)	RBC-U464PGR(W)-E
2	43407072	Grille Catch	All
3	43407076	Grille, Louvre M	All
4	43407085	Joint Kit	All
5	43402091	Cam	All
6	43107249	Motor Kit Assembly	All
7	43409110	Louver – (Small)	All
8	43409114	Louver – (Large)	All
9	43A09010	Grille Air Inlet	All
10	43411006	Cushion Air Outlet A	All
11	43411007	Cushion Air Outlet B	All
13	43411009	Cushion Air Outlet D	All
14	43121671	Geared Motor	All
15	43460532	Cord, Remote Controller	RBC-U464PGR(W)-E
16	43A69012	Infra Red Receiver	RBC-U464PGR(W)-E
17	41480546	Air Filter	All

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